AUGUST 15, 1964
Volume 12 Number 3

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TECHNICAL TRANSLATIONS

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TECHNICAL TRANSLATIONS

U.S. DEPARTMENT OF COMMERCE
Luther H. Hodges, Secretary

OFFICE OF TECHNICAL SERVICES
Donald A. Schon, Director

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References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

Some of the translation notes for individual translations have been marked with the symbol (#) preceding the name of the journal. This symbol indicates that the particular journal is also translated cover-to-cover.

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SYMBOLS FOR SOURCES OF TRANSLATIONS

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P. O. Box 46354
Hollywood,
California 90046

AGI
AGI Translations Office
American Geological Institute
2101 ConstitutionAve., N. W.
Washington, D. C., 20000

AGS
American Geographical Society
Broadway at 156th Street
New York, New York 10032

AGU
American Geophysical Union
1515 Massachusetts Ave., N. W.
Washington, D. C. 20005

AIAA
American Institute of Aeronautics and Astronautics
500 Fifth Avenue
New York, New York 10036

AIBS
American Institute of Biological Sciences
2000 P Street, N. W.
Washington, D. C. 20006

AIP
American Institute of Physics
335 East 45th Street
New York, New York 10017

AIS
Argus Information Service
624 N. Eutaw Street
Baltimore, Maryland 21201

AM
Acta Metallurgica
122 East 55th Street
New York, New York 10022

AMS
American Mathematical Society
190 Hope Street
Providence, Rhode Island 02906

ANSP
Academy of Natural Sciences of Philadelphia
19th St. and the Parkway
Philadelphia, Pennsylvania 19103

API
Academic Press, Inc.
111 Fifth Ave.,
New York, New York 10003

ARS
American Rocket Society, Inc.
20th and Northampton Streets
Easton, Pennsylvania 18042

ATS
Associated Technical Services, Inc.
P. O. Box 271
East Orange, New Jersey 07017

BGIRA
British Glass Industry Research Association
Northumberland Road
Sheffield 10, England

BIHR
Circulation Manager
Translations of the Beltone Institute for Hearing Research
2900 West 36th Street
Chicago, Illinois 60632

BISI
British Iron & Steel Industry Translation Service
The Iron and Steel Institute
4, Grosvenor Gardens
London, S. W. 1, England

BWRA
British Welding Research Association
Abington Hall, Abington
Cambridge, England

CB
Consultants Bureau Enterprises Inc.
227 West 17th Street
New York, New York 10011

CCT
Consultants Custom Translations Inc.
227 West 17th Street
New York, New York 10011

CHP
Cleaver-Hume Press, Ltd.
31, Wright's Lane
London, W. 8, England

CID
Centro de Informacion y Documentacion
Patronato Juan de la Cierva,
Serrano 150, Apartado 743,
Madrid 6, Spain

CIDNT
Centralny Instytut Dokumentacji Naukowo-Technicznej
Warszawa 12
Aleja Niepodleglosci 188
Poland

CNP
Comitato Nazionale per la Produttivita
Service d'Information
Viale Regina Margherita N. 83D
Rome, Italy

CNRS
Centre National de la Recherche Scientifique
Centre de Documentation
15 Quai Anatole France
Paris 7, France

CSIRO
Commonwealth Scientific and Industrial Research Organization
Information Service
314 Albert Street
East Melbourne C. 2, Victoria
Australia

CTRA
The Librarian
The Coal Tar Research Association
Oxford Road
Gomersal, Leeds, England

CTS (Chem)
Chemical Translating Service
2243 Greer Road
Palo Alto, California 94300

CTT
Columbia Technical Translations
5 Vermont Avenue
White Plains, New York 10600

DI
Circulation Unit
Department of the Interior
Central Library
Room 1149
Washington, D. C. 20240

DTC
Danish Translations Centre,
c/o Library of the Danish Atomic Energy Commission,
Riso. Roskilde, Denmark

EIS
Engineering Information Services
Kirkham, Preston, Lancashire,
England

ES
Erica Stux
584 Moreley Avenue
Akron, Ohio 44320

ETC
European Translations Centre
Doelenstraat 101, Delft,
The Netherlands

FASEB
Federation of American Societies for Experimental Biology
9650 Wisconsin Avenue
Washington, D. C. 20014

FRI
Fulmer Research Institute, Ltd.
Stoke Poges,
Buckinghamshire,
England

FT
Faraday Translations
15 Park Row
New York, New York 10038

GB
Gordon and Breach
Publishers, Inc.
150 Fifth Avenue
New York, New York 10011

GPO
Superintendent of Documents
Government Printing Office
Washington, D. C. 20402

GPRC
Geophysical & Polar Research Center
6021 S. Highland Road
Madison, Wisconsin 53706

HB
Henry Brutcher
P. O. Box 157
Altadena, California 91001

HMSO
Her Majesty's Stationery Office
P. O. Box 569
London, S. E. 1, England

HTCBN
Hungarian Trading Company for Books and Newspapers "Kultura"
Budapest 62, P. O. Box 149

ICE
International Chemical Engineering
345 East 47th Street
New York, New York 10017

IEEE
Institute of Electrical & Electronics Engineers
275 Madison Avenue
New York, New York 10016

INFOSERV
Infoserv
P. O. Box 217
West Hartford, Connecticut 06097

INT
International Patent Service N. V.
P. O. Box 101
's-Hertogenbosch,
The Netherlands

IP
Interscience Publishers, Inc.
250 Fifth Avenue
New York, New York 10001

IPST
Israel Program for Scientific Translation
14 Shammai Street
P. O. Box 7145
Jerusalem, Israel

ISA
Instrument Society of America
530 William Penn Place
Pittsburgh, Pennsylvania 15219

K-H
Kresge-Hooker Science Library Associates
Wayne State University
Detroit, Michigan 48202

LAND-AIR
Land-Air, Inc.
Pacific Missile Range
Point Mugu, California 95468

LC
Photoduplication Service
Publication Board Project
Library of Congress
Washington, D. C. 20540

LSA
Literature Service Associates
Route 1
Bound Brook, New Jersey 08805

MACL
Maclaren and Sons, Ltd.
Maclaren House
131 Great Suffolk Street
London, S. E. 1, England

MACM
Macmillan Co.
60 Fifth Avenue
New York, New York 10011

MDF
Morris D. Friedman
7553 Waterford Drive
San Jose, California 95129

MT
M. de O. Tollemache
Pennyford Cottage,
Burrington,
Umberleigh, Devon, England

MUL
Mulholland Engineering Translations
26 Burton Woods Lane
Cincinnati, Ohio 45229

NASA
National Aeronautics and Space Administration
1520 H Street, N. W.
Washington, D. C. 20546

NRCC
National Research Council
Library
Ottawa 2, Canada

OB
Oliver & Boyd, Ltd.
Tweeddale Court
14 High Street
Edinburgh 1, Scotland

OSA
Optical Society of America, Inc.
33 University Road
Cambridge, Massachusetts 02138

OTS
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Washington, D. C. 20230
(Also available through Department of Commerce Field Offices)

PERA
The Information Manager
Production Engineering Research Association
Melton Mowbray
Leicestershire, England

PLP
Plenum Press, Inc.
227 West 17th Street
New York, New York 10011

PP
Pergamon Press
122 East 55th Street
New York, New York 10022

PS
Primary Sources
11 Bleecker Street
New York, New York 10012

RIA
Research International Associates
1522 Connecticut Avenue, N. W.
Washington, D. C. 20006

RIS
Research Information Service
Div. of Maxwell Scientific International, Inc.
122 East 55th Street
New York, New York 10022

RIS
Research Information Service
Div. of Pergamon International Corp
122 East 55th Street
New York, New York 10022

SA
Seizaburo Aoki
1069 Minami Nakadori 2-chome
Fujisawa, Japan

SIAM
Business Manager
SIAM Publications
Box 7541
Philadelphia, Pennsylvania 19100

SIC
Scientific Information Consultants Limited
661 Finchley Road
London N. W. 2, England

SLA
SLA Translations Center
The John Crerar Library
35 West 33rd Street
Chicago, Illinois 60616

ST
Scripta Technica, Inc.
1000 Vermont Avenue, N. W.
Washington, D. C. 20005

STS
Scientific Translation Service
1938 Verdugo Knolls Drive
Glendale, California 91200

STT
SCIENTECH, Scientific & Technical Translations
P. O. Box 3530
Cleveland, Ohio 44118

TF
Taylor and Francis Ltd.
Red Lion Court, Fleet Street
London, E. C. 4, England

TDL
Mr. John Wiley
Technical Development Laboratories
P. O. Box 769
Savannah, Georgia 31400

TIB
Technische Informationsbibliothek
Am Welfengarten 1,
Hannover, West Germany

TIC
Technical Information Company
Patents Department
Chancery House
Chancery Lane
London, W. C. 2, England

TTIS
Translation & Technical Information Services
32 Manaton Road
London, S. E. 15, England

WBI
Warren Birkenhead, Inc.
901 Northern Life Tower
Seattle, Washington 98101
or
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Minato-Ku, Tokyo, Japan

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Pittsburgh, Pennsylvania 15213

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Atlanta, Georgia 30300

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Massachusetts Institute of Technology
Cambridge, Massachusetts 02139

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University Park, Pennsylvania 16801

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Engineering Library
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TECHNICAL TRANSLATIONS

Volume 12, Number 3 | Pages 121 - 205 | August 15, 1964

AGRICULTURE

SYMPOSIUM OF THE ALL-CHINA AGRICULTURAL MACHINERY SOCIETY (NO. 1). 21 May 64, 4p JPRS: 24701 (p. 19-22).
Order from OTS $0.75 in TT-64-31302 (p. 19-22)

Trans. of K'o Hsüeh T'ung Pao (Chinese People's Republic) 1964, no. 4, p. 371-372.

USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 125. 19 May 64, 64p JPRS: 24652.
Order from OTS $1.75 TT-64-31282

Trans. of 19 selected articles from Jan-Mar 64 issues of various Russian newspapers.

A separate entry has been prepared for 1 article.

Shen, Ch'i-i.
SCIENTIFIC RESEARCH ACHIEVEMENTS OF THE PEIPING AGRICULTURAL UNIVERSITY. 21 May 64, 8p JPRS: 24701 (p. 9-16).
Order from OTS $0.75 in TT-64-31302 (p. 9-16)

Trans. from Kuang Ming Jih Pao (Chinese People's Republic) 1964, 16 Apr, p. 2.

Zabruskov, A.
MAINTENANCE OF FERTILIZER SPREADERS.
19 May 64, 4p JPRS: 24652 (p. 12-15)
Order from OTS $1.75 in TT-64-31282 (p. 12-15)

Trans. from [Sel'skaya Zhizn'] (USSR) 1964, 17 Mar, p. 2.

Animal Husbandry

Abramov, I. V.
THE DURATION OF PRESERVATION OF THE AGENT OF EQUINE PIROPLASMOSIS (PIROPLASMA CABALLI) IN TICKS HYALOMMA PLUMBEUM [O Dlitel'nosti Sokhraneniya Vozbuditelya Piroplazmoza Loshadei (Piroplasma Caballi) v Kleshchakh Hyalomma Plumbeum Panzer]. 4p 3refs NAMRU Trans. 103(T103).
Order from OTS, SLA, or ETC $1.10 TT-64-15498

Trans. of [Veterinariya] (USSR) 1955, v. 32, no. 3, p. 42-46.
Another trans. is available from LC or SLA mi$1.80, ph$1.80 as TT-61-15973, CSIRO-Trans-5071, 8p (foreign text included).

Arifdzhanov, K. A.
PROBLEM OF TYPIFICATION OF THE FOOT-AND-MOUTH DISEASE VIRUS (K Voprosu o Tipizatsii Virusa Yashchura). 12 May 64, 3p Trans. A-1451.
Order from OTS, SLA, or ETC $1.10 TT-64-15415

Trans. of [Uzbekskaya Akademiya Sel'skokhozyaistvennykh Nauk. Nauchno-Issledovatel'skii Institut Veternarii. Sbornik Nauchnykh Trudov] (USSR) 1961, v. 14, p. 3-5.

Laptev, V. I.
THE EXPERIMENTAL INFECTION RATE OF NYMPHS OF HAEMAPHYSALIS NEUMANNI WITH THEILERIA SERGENTI AND OF HYALOMMA ANATOLICUM WITH THEILERIA ANNULATA. [1964] 3p 3refs NAMRU Trans. 86(T86).
Order from OTS, SLA, or ETC $1.10 TT-64-15639

Trans. of Vsesoyuz[nyi] Inst[itut] Eksp[erimental'noi] Vet[erinarii]. Trud[y] (USSR) [1961] v. 27, p. 80-82.

Likhachev, N. V., Orlov, S. D., and Shemanova, G. F.
EXPERIMENTAL PRODUCTION OF FOOT-AND-MOUTH DISEASE VACCINE FROM A VIRUS GROWN IN TISSUE CULTURE (Opyty Polucheniya Vaktsiny Protiv Yashchura iz Virusa, Vyrashchennogo v Kul'ture Tkani). [1964] [7p] (foreign text included) FASEB Ms no.: S795-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15442

Trans. of Veterinariya (USSR) 1963, v. 40, no. 3, p. 64-65.
Another trans. is available from OTS, SLA or ETC $1.10 as TT-63-23807, Trans-V-1850, 6 Sep 63, 5p.

Polyanskii [Yu. I.] and Khaisin, E. M.
SOME OBSERVATIONS ON THE DEVELOPMENT OF BABESIELLA BOVIS IN A CARRIER TICK
N. N. Dinnik, tr. [1964] 7p (figs omitted)
NAMRU Trans. 47(T47).
Order from OTS, SLA, or ETC $1.10 TT-64-15625

Trans. of Akademiya Nauk SSSR. Karel'skii Filial, Petrozavodsk. Trudy, 1959, v. 14, p. 5-12.
Another trans. is available from OTS, SLA, or ETC $1.10 as TT-63-10933, 9p.

Pritulin, P. I.
ON THE TRANSMISSION OF BRUCELLOSIS BY PASTURE TICKS. [1964] 5p NAMRU Trans. 44(T44).
Order from OTS, SLA, or ETC $1.10 TT-64-15627

Trans. of Veterinariya (USSR) 1954, v. 31, no. 7, p. 31-33.

Remvary, Joseph.
ON THE Q-FEVER (A Q-laz) Claudius F. Mayer, tr. May 59 [9p] 1ref. H 3764.
Order from OTS, SLA, or ETC $1.10 TT-59-21100

Trans. of Magyar Allatorvosok Lapja (Hungary) 1957, v. 12, Jan/Feb, p. 35-37.

Rogers and Roland.
ANIMAL FOOD SUPPLEMENT. 11p
Order from OTS, SLA, or ETC $1.60 TT-64-16648

Trans. of German patent 946,682, by Armour, granted 2 Aug 56.

Rostovtseva, I. A. and Salazhov, E. L.
IMPORTANCE OF IDENTIFY OF THE ANTIGENIC PROPERTIES OF COMMERCIAL STRAINS OF FOOT AND MOUTH DISEASE VIRUS WITH THOSE OF THE EPIZOOTIC STRAINS IN SPECIFIC PROPHYLAXIS (Znachenie Identichnosti Antigennykh Svoistv Epizooticheskikh i Proizvodstvennykh Shtammov Virusa Yashchura v Spetsificheskoi Profilaktike). [1964] [23p] (foreign text included) FASEB Ms no.: S794-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15441

Trans. of Veterinariya (USSR) 1963, v. 40, no. 3, p. 17-23.
Another trans. is available from OTS, SLA or ETC as TT-63-23689, Trans-V-1844, 16p.

Zil'fyan, V. N. and Ananyan, E. L.
THE TICK ORNITHODOROS LAHORENSIS AS CARRIER AND TRANSMITTER OF BRUCELLAE [Kleshch Or. Lahorensis Kak Nositel' i Peredatchik Brutsell]. [1964] 2p NAMRU Trans. 45(T45).
Order from OTS, SLA, or ETC $1.10 TT-64-15626

Abstract trans. of Zh[urnal] Mikrobiol[ogii] Epidemiol-[ogii i] Immunobiol[ogii] (USSR) 1953 [v. 24] no. 6, p. 14.
Another trans. is available from SLA as RT-2677, 2p.

Plant Cultivation

Avetisyan, A. D. and Smbatyan, M. S.
SUSCEPTIBILITY OF COTTON TO WILT AS A FUNCTION OF THE WATER REGIME OF SOIL AND PLANT (Porazhaemost' Khlopchatnika Uvyadaniem v Svyazi s Vodnym Rezhimon Pochvy i Rasteniya). B. Ribush, tr. [1964] [23p] (foreign text included) 19 refs [CSIRO] Trans. 6469.
Order from OTS, SLA, or ETC $2.60 TT-64-15439

Trans of Akademiya Nauk Armyanskoi SSR [Erevan]. Izvestiya. Biologicheskie Nauki, 1962, v. 15, no. 1, p. 59-68.

Lu, Shih-i.
WHEAT RUST AND ITS PREVENTION. 21 May 64, 2p JPRS: 24701 (p. 17-18).
Order from OTS $0.75 in TT-64-31302 (p. 17-18)

Trans. from Pei Ching Jih Pao (Chinese People's Republic) 1964, 13 Mar, p. 2.

Malinovskii, B. N.
IMPROVING VIGOR IN THE FIRST GENERATION OF SORGHUM HYBRIDS. 21 May 64, 5p JPRS: 24705.
Order from OTS $0.50 TT-64-31305

Trans. of Agrobiologiya (USSR) 1962, no. 1[133] p. 148-151.

Ozhigov, E. P. and Koren', L. I.
ORE FRITS. [5p] 3refs NCB Trans. A.2293/SEH; DSIR NLL-9022.66.
Order from OTS, SLA, or ETC $1.10 TT-63-24569

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 149, no. 5, p. 1134-1136.

Torin, V. S.
COMPARATIVE EFFECTIVENESS OF NITROPHOSKA AND MIXTURES OF ORDINARY, FERTILIZERS UNDER LOCALIZED APPLICATION TO CORN AND MILLET (Sravnitel'noe Deistvie Nitrofoski i Smesei Prostykh Udobrenii pri Lokal'nom Vnesenii Ikh pod Kukuruzi i Proso). 13 May 64, 4p
Trans. A-1448.
Order from OTS, SLA, or ETC $1.10 TT-64-15418

Trans. of [Moskovskaya] Sel'skokhozyaistvennaya Akademiya. Doklady (USSR) 1961, v. 64, p. 15-18.

ASTRONOMY

Astrophysics

SOVIET-BLOC RESEARCH IN GEOPHYSICS, ASTRONOMY, AND SPACE, NO. 84. 15 May 64, 41p. JPRS: 24649.
Order from OTS $16.00/year 61-11147-84
foreign $20.00/year

DESCRIPTORS: *Geophysics, *Astronomy, *Astronautics, *Upper atmosphere, *Space probes, *Astrophysics, Oceanography, Meteorology.

Consists of news items and abstracts of scientific articles on astronomy, meteorology, oceanography, terrestrial geophysics, upper atmosphere and space research, and other miscellaneous subjects.

Chebotarev, G. A.
THE GRAVITATIONAL SPHERES OF THE MAJOR PLANETS - THE MOON AND THE SUN. [1964] 15p 1ref
Order from OTS, SLA, or ETC $1.60 TT-64-16020

Trans. of [#Astronomicheskii Zhurnal] (USSR) 1963, v. 40, no. 5, p. 812-818.

Pikel'ner, S. B. and Gintsburg, M. A.
ON THE MECHANISMS OF TYPE II SOLAR RADIO BURSTS (O Mekhanizme Uspleskov II Tipa Radio-izlucheniya Solntsa)
P. A. Kazakov, tr. [1964] [11p] 15refs [CSIRO]
Trans. no. 6735.
Order from OTS, SLA, or ETC $1.60 TT-64-15431

Trans. of #Astronomicheskii Zhurnal (USSR) 1963, v. 40, no. 5, p. 842-846.

BEHAVIORAL SCIENCES

Fleischer, Ernst.
THE EXCITATIONS OF THE BOUNDARY LINES IN VISION WITH TWO EYES (Die Grenzlinienerregungen beim Sehen mit Beiden Augen). [1961] [92p] [final phases omitted] 24refs.
Order from SLA $8.60 TT-61-14188

Trans. of Z[eitschrift] f[ür] Psychol[ogie] u[nd] Physiol [ogie der Sinnesorgane. Abt. 1: Zeitschrift für Psychologie] (Germany) 1938, v. 141, p. 283-342.

Personnel and Training

BIOGRAPHIES OF SOVIET SCIENTISTS. 19 May 64, 35p JPRS: 24668.
Order from OTS $1.00 TT-64-31290

Consist of trans. of 13 biographic articles in various Russian publications.

Evseev, E.
FROM AIRPLANE TO SPACESHIP: NOTES OF AN ASTRONAUT FLIGHT INSTRUCTOR. 19 May 64, 8p JPRS: 24660.
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Trans. of Aviatsiya i Kosmonavtika (USSR) 1964 [v. 46] no. 2, p. 58-63.

Tang, Chih-yu.
HOW TO IMPROVE CLIMATOLOGY TEACHING. 21 May 64, 5p JPRS: 24701 (p. 4-8).
Order from OTS $0.75 in TT-64-31302 (p. 4-8)

Trans. from Kuang Ming Jih Pao (Chinese People's Republic) 1964, 14 Apr, p. 2.

Psychology

Aall, Anathon.
CONCERNING THE CRITERION OF DOUBLE IMAGES IN DEPTH VISION: BATHOSCOPIC INVESTIGATIONS (Über den Massstab beim Tiefensehen in Doppelbildern: Bathoskopische Untersuchungen). [1961] [91p] 54refs.
Order from SLA $8.60 TT-61-14100

Trans. of Z[eitschrift] f[ür] Psychol[ologie] u[nd] Physiol[ogie] d[er] Sinnesorg[ane]. Abt. 1: [Zeitschrift für Psychologie] (Germany) 1908, v. 49, p. 108-127, 161-205.

Abels, Hans.
CONCERNING THE AFTER-SENSATION IN THE FIELD OF KINESTHETIC AND STATIC SENSE: A CONTRIBUTION TO THE THEORY OF MOTOR DIZZINESS (VERTIGO) [Pt. 1] Über Nachempfindungen im Gebiete des Kinästhetischen und Statischen Sinnes: [Ein Beitrag zur Lehre vom Bewegungsschwindel (Drehschwindel)]. [Jul 53] 31p 27refs.
Order from SLA $3.60 TT-61-14592

Trans. of Z[eitschrift für] Psychol[ogie] u[nd] Physiol[ogie] d[er] Sinnesorg[ane]. Abt. 1: [Zeitschrift für Psychologie] (Germany) 1906, v. 43, p. 268-289.

Abels, Hans.
CONCERNING AFTER-SENSATIONS IN THE FIELD OF THE KINESTHETIC AND STATIC SENSE: A CONTRIBUTION TO THE THEORY OF MOTOR DIZZINESS (VERTIGO) (CONCLUSION) (Über Nachempfindungen im Gebiete des Kinästhetischen und Statischen Sinnes: Ein Beitrag zur Lehre vom Bewegungsschwindel (Drehschwindel)). [Oct 53] 59p 16refs.
Order from SLA $5.60 TT-61-14601

Trans. of Z[eitschrift] f[ür] Psychol[ogie] u[nd] Physiol[ogie] d[er] Sinnesorgane. [Abt. 1: Zeitschrift für Psychologie] (Germany) 1906, v. 43, p. 374-422.

Beck, Karl.
INVESTIGATIONS CONCERNING THE STATIC APPARATUS OF NORMALS AND DEAF-MUTES (Untersuchungen über den Statischen Apparat von Gesunden und Taubstummen). [Jun 53] 21p 3refs.
Order from SLA $2.60 TT-61-14605

Trans. of Z[eitschrift für] Psychol[ogie] u[nd] Physiol[ogie] d[er] Sinnesorg[ane]. Abt. 2: [Zeitschrift für Sinnesphysiologie] (Germany) 1912, v. 46, p. 362-378.

Benussi, Vittorio and Witasek, St.
MONOCULAR LOCALIZATION DIFFERENCE AND APPARENT MOVEMENTS AROUSED HAPLOSCOPICALLY [AND] OBSERVATION CONCERNING THE PRECEDING PAPER BY V. BENUSSI (Monokularlokalisationsdifferenz und Haploskopisch Erweckte Scheinbewequngen) [und] (Bemerkung zu Vorstehender Abhandlung von V. Benussi).
[1961] [10p] (figs omitted) 8refs.
Order from SLA $1.10 TT-61-14114

Trans. of Arch[iv] f[ür] d[ie] Ges[amte] Psychol[ogie] (Germany) 1914/15, v. 33, p. 266-274

Dahlmann, Reinhold.
CONCERNING CROSS DISPARITY AND THE INTERPRETATION OF GESTALT, WITH SPECIAL CONSIDERATION OF THE PANUM PHENOMENON (Über Querdisparation und Gestaltauffassung mit Besonderer Berücksichtigung des Panumschen Phänomens). [1961] [76p].
Order from SLA $7.60 TT-61-14149

Trans. of Arch[iv] f[ür] d[ie] Psychol[ogie] (Germany) 1934, v. 90, p. 504-560.

Emmert, E.
SIZE RELATIONSHIPS OF AFTER-IMAGES (Grössenverhältnisse der Nachbilder). [1961] 13p 1ref.
Order from SLA $1.60 TT-61-14161

Trans. of Kl[inische] M[onatsblätter] f[ür] A[ugenheilkunde] (Germany) 1881, v. 19, p. 443-454.

Erismann, Th.
THEORY OF PERCEPTION AND APPARENT MOVEMENT (CONCLUDING OBSERVATION) (Wehrnehmungslehre und Scheinbewegung). May 52, 7p.
Order from SLA $1.10 TT-61-14843

Trans. of Arch[iv] f[ür] d[ie] Ges[amte Psychologie] (Germany) 1939, v. 102, p. 451-456.

Hildebrandt, H.
EXPERIMENTAL INVESTIGATIONS CONCERNING VISION IN NON-OPTIMAL ACCOMMODATION (Experimentelle Untersuchungen über das Sehen bei Nicht-Optimaler Akkommodation). [1961] [15p] 4refs.
Order from SLA $1.60 TT-61-14233

Trans. of Psychol[ogische] Forsch[ung] (Germany) 1924, v. 6, 113-120.

Isakowitz.
REFERRING TO STREIFF'S WORK CONCERNING THE BINOCULAR FLATTENING OF PICTURES (Zu Arbeit von Streiff über die Binokulare Verflachung von Bildern). [1961] 5p 3refs.
Order from SLA $1.10 TT-61-14243

Trans. of Kl[inische] Monatsblätter] f[ür] Augenh[eilkunde] (Germany) 1923, v. 70, p. 534-537.

Jaensch, E. R. and Schönheinz, Wilhelmine.
SOME OF THE MORE GENERAL QUESTIONS OF THE PERCEPTION THEORY, EXPLAINED BY THE PROBLEM OF THE VISUAL MAGNITUDE (ACCORDING TO INVESTIGATIONS ON MICROPSIA IN THE EXPERIMENT WITH ROLLETT CONVERGENCE PLATES) (Einige Allgemeinere Fragen der Wahrnehmungslehre, Erläutert am Problem der Sehgrosse (nach Untersuchungen über Mikropsie beim Rollett'schen Konvergenzplattenversuch)). [1961] [97p] 24refs.
Order from SLA $8.60 TT-61-14247

Trans. of Archiv f[ür] d[ie] Ges[amte] Psychol[ogie] (Germany) 1924, v. 46 [no. 1/2] p. 3-60.

Kreiker, Aladar.
THE LAW OF VISUAL ANGLES AND THE AUBERT-FÖRSTER PHENOMENON. Rejoinder to Mayer-Hillebrand's Work "On the Apparent Size of Visual Object". [1961] 7p 7refs.
Order from SLA $1.10 TT-61-14267

Trans. of [Zeitschrift für Psychologie und Physiologie der Sinnesorgane]. Abt. 2: Zeitschrift für Sinnesphysiologie (Germany) 1933, v. 63, no. 1/2, p. 87-92.

Kries, J. v.
ON THE BINOCULAR VISION OF ECCENTRIC PORTIONS OF THE RETINA (Über das Binokularsehen Exzentrischer Netzhautteile). [Mar 53] 23p 4refs.
Order from SLA $2.60 TT-61-14581

Trans. of Z[eitschrift] f[ür] Psychol[ogie] u[nd] Physiol[ogie der Sinnesorgane]. Abt. 2: [Zeitschrift für Sinnesphysiologie] (Germany) 1910, v. 44, p. 165-181.

Lau, Ernst
NEW EXPERIMENTS ON SEEING DEPTH AND PLANES (Neue Untersuchungen über das Tiefen- und Ebenenchen). [1961] [48p]
Order from SLA $4.60 TT-61-14282

Trans. of Zeit[schrift] f[ür Psychologie und Physiologie der Sinnesorgane Abt. 2: Zeitschrift für Sinnesphysiologie (Germany) 1922, v. 53, p. 1-35.

Lievermann, P. von.
CONTRIBUTION TO THE THEORY OF BINOCULAR DEPTH-LOCALIZATION (Beitrag zur Lehre von der Binokularen Tiefenlokalisation). [1961] [31p] (foreign text included).
Order from SLA $3.60 TT-61-14288

Trans. of Z[eitschrift] f[ür] Psych[ologie] u[nd] Physiol[ogie der] Sinnes[organe. [Abt. 2: Zeitschrift fur Sinnesphysiologie] (Germany) 1910, v. 44, p. 428-443.

Lindworsky, J.
CONCERNING THE THEORY OF BINOCULAR SINGLE VISION AND KINDRED PHENOMENA (Zur Theorie des Binokularen Einfachsehens und Verwandter Erscheinungen). [1961] 14p.
Order from SLA $1.60 TT-61-14289

Trans. of Z[eitschrift] f[ur] Psychol[ogie] u[nd] Physiol[ogie der Sinnesorgane]. [Abt]. 1: [Zeitschrift für Psychologie] (Germany) 1924, v. 94, p. 134-145.

Marx, Eugen and Trendlenburg, Wilhelm.
ON THE ACCURACY OF THE FOCUSSING OF THE EYE IN FIXATION (Über die Genauigkeit der Einstellung des Auges Beim Fixieren). [1961] [19p] 11refs.
Order from SLA $1.60 TT-61-14868

Trans. of [Zeitschrift für Psychologie und Physiologie der Sinnesorgane]. Abt. 2: Z[eitschrift] f[ür] Sinnesphysiol[ogie] (Germany) 1911, v. 45, p. 87-102.

Mayer-Hillebrand, Franziska.
APPARENT SIZE OF VISUAL OBJECTS (Über die Scheinbare Grösse der Sehdinge). [1961] 63p 76refs.
Order from SLA $6.60 TT-61-14340

Trans. of [Zeitschrift für Psychologie und Physiologie der Sinnesorgane. Abt.] 2: Z[ei]tschr[ift] f[ür] Sinnesphysiol[ogie] (Germany) 1931, v. 61, p. 267-324.

Mayer-Hillebrand, Franziska.
ON THE APPARENT SIZE OR VISUAL DEPTH (Über die Scheinbare Entfernung oder Sehtiefe). [1961] [69p] 48refs.
Order from SLA $6.60 TT-61-14341

Trans. of [Zeitschrift für Psychologie und Physiologie der Sinnesorgane]. Abt. 2: Z[eitschrift] f[ür] Sinnesphysiol[ogie] (Germany) 1933, v. 63, p. 38-86.

Neuhaus, Wilhelm.
BINOCULAR DEPTH VISION (Das Binokulare Tiefensehen) [1961] [69p] 21refs.
Order from SLA $6.60 TT-61-14351

Trans. of Z[eitschrift] f[ür] Psychol[ogie] u[nd] Physiol[ogie der Sinnesorgane. Abt. 1: Zeitschrift für Psychologie] (Germany) 1934, v. 133, p. 134-178.

Spiegel, Hans-Georg.
CONCERNING THE INFLUENCE OF THE INTERMEDIATE FIELD ON SEEN DISTANCES (Uber den Einfluss des Zwischenfeldes suf Gesehene Abstände). [1961] [34p]
Order from SLA $3.60 TT-61-14412

Trans. of Psychol[ogische] Forsch[ung] (Germany) 1934/35, v. 21/22, p. 364-383.

Streiff, J.
ON THE DOMINANCE OF RIGHT IN THE BINOCULAR VISUAL FIELD AND ON RIGHT AND LEFT IN PICTURES (Zur Rechtsprädominanz im Binolularem Gesichtsfeld und über Rechts und Links im Bilde). [1961] [13p] (refs omitted).
Order from SLA $1.60 TT-61-14416

Trans. of Kl[inische] M[onatsblätter] f[ür] A[ugenheilkunde] (Germany) 1933, v. 91, p. 667-672.

Streiff, J.
REFERRING TO THE REVIEW OF ISAKOWITZ CONCERNING MY EXPLANATION OF THE BINOCULAR FLATTENING OF PICTURES (Zur Kritik von Isakowitz über Meine Erklärung der Binokularen Verflachung von Bildern). [1961] 3p.
Order from SLA $1.10 TT-61-14415

Trans. of Kl[inische] M[onatsblätter f[ür] Augenh[eilkunde] (Germany) 1923, v. 70, p. 537-539.

Streiff, J.
THE VINOCULAR FLATTENING OF IMAGES, A MANY SIDED, SIGNIFICANT VISUAL PROBLEM (Die Binokulare Verflachung von Bildern, ein Vielseitig Bedeutsames Sehproblem). [1961] [25p] 7refs.
Order from SLA $2.60 TT-61-14414

Trans. of Kl[inische] M[onatsblätter] f[ür] Augenheilk[unde] (Germany) 1923, v. 70, p. 1-16.

Trendelenburg, W.
CORRECTION OF THE PAPER BY MARX AND TRENDELENBURG CONCERNING THE ACCURACY OF THE SETTING OF THE EYE IN FIXATION (Berichtigung zu der Arbeit von Marx und Trendelenburg über die Genauigkeit der Einstellung des Auges beim Fixieren). [1961] 2p (fig omitted) 2refs.
Order from SLA $1.10 TT-61-14867

Trans. of Zeitschrift [für Psychologie und Physiologie der Sinnesorgane. Abt. 2: Zeitschrift für Sinnesphysiologie] (Germany) 1911, v. 45, p. 460.

Wallach, Hans.
CONCERNING THE PERCEPTION OF THE DIRECTION OF SOUND (Über die Wahrnehmung der Schallrichtung). [1961] [50p] 2refs
Order from SLA $4.60 TT-61-14339

Trans. of Psychol[ogische] Forsch[ung] (Germany) 1938, v. 22, p. 238-266.

Zimmermann, P.
CONCERNING THE DEPENDENCE OF THE DEPTH IMPRESSION ON THE DISTINCTNESS OF THE CONTOURS (Über die Abhängigkeit des Tiefeneindrucks von der Deutlichkeit der Konturen). [1961] [50p] 27refs.
Order from SLA $4.60 TT-61-14456

Trans. of Z[eitschrift] f[ür] Psychol[ogie] u[nd] Physiol[ogie der Sinnesorgane. Abt.] 1: [Zeitschrift für Psychologie] (Germany) 1917, v. 78, p. 273-316.

BIOLOGICAL SCIENCES

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 62.
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EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 65. 20 May 64, 20p JPRS: 24679.
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Abstract trans. of Medycyna Weterynaryjna (Poland) 1964, v. 20, no. 1, p. 5-31; no. 2, p. 65-73, 76-77, 80-101, 103-105; no. 3, p. 129-140, 143-157, 161-173, 176-179.

SOVIET LITERATURE ON LIFE SUPPORT SYSTEMS, PT. A. BIOSCIENCES: COMPILATION OF ABSTRACTS. Rept. no. 17 on AID Work Assignment no. 22. 6 May 64 [19p] AID Rept. P-64-33; AD-600 129
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Contents:
Space Medicine and Biology.
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TRANSACTIONS OF THE MURMANSK MARINE BIOLOGICAL INSTITUTE, 1961, VOL 3(7). 27 Jan 64 [396p] FTD-TT-63-663; AD-600 039.
Order from OTS $5.00 TT-64-11640

Unedited rough draft trans. of Akademiya Nauk SSSR. Murmanskii Morskoi Biologicheskii Institut. Trudy, 1961, v. 3(7) p. 1-220.

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CHLOROPHYLL CONTENT AND PRIMARY PRODUCTION IN THE RAIGROD LAKES OF VARIOUS TYPES (Soderzhanie Khlorofilla i Pervichnaya Produktsiya v Raigrodskikh Ozerakh Raznogo Tipa) P. A. Kazakov, tr. [1964] [10p] (foreign text included) 12refs [CSIRO Trans. no.] 6770.
Order from OTS, SLA, or ETC $1.10 TT-64-15429

Trans. of mono. Pervichnaya Produktsiya Morei i Vnutrennikh Vod, Minsk, 1961, p. 266-269.

Chechuga, B.
SEASONAL CHANGES IN THE TOTAL NUMBER OF BACTERIA AND THEIR GENERATION TIME IN LAKES OF VARIOUS TYPE (Sezonnye Izmeneniya Obshchego Chisla Bakterii i Vremya Generatsii v Ozerakh Raznogo Tipa) P. A. Kazakov, tr. [1964] [10p] (foreign text included) 7refs [CSIRO Trans. no.] 6774.
Order from OTS, SLA, or ETC $1.10 TT-64-15425

Trans. of mono. Pervichnaya Produktsiya Morei i Vnutrennikh Vod, Minsk, 1961, p. 262-265.

Dobrokhotov, V. N.
SIGNIFICANCE OF THE PATTERNS GOVERNING DAILY PERIODICITY IN CELL MULTIPLICATION (O Znachenii Zakonomernostei Sutochnoi Periodichnosti Kletochnogo Razmnozheniya). [1964] [43p] 44refs FASEB Ms no. S754-3.
Order from OTS, SLA, or ETC $4.60 TT-64-15544

Trans. of Akademiya Meditsinskikh Nauk SSSR. Vestnik, 1963, v. 18, no. 7, p. 50-62.
Another trans. is available from OTS $3.00 in TT-63-31829, JPRS-21228, 26 Sep 63, 167p.

Goryunova, S. V.
METHODS OF LUMINESCENT ANALYSIS IN THE STUDY OF PROBLEMS OF PRIMARY PRODUCTION (Metody Lyuminestsentnogo Analiza pri Izuchenii Voprosov Pervichnoi Produktsii) P. A. Kazakov, tr. [1964] [12p] (foreign text included) 4refs [CSIRO trans. no.] 6769.
Order from OTS, SLA, or ETC $1.60 TT-64-15430

Trans. of mono. Pervichnaya Produktsiya Morei i Vnutrennikh Vod, Minsk, 1961, p. 256-261.

Gramenitskii, E. M.
CYTOCHEMICAL CHANGES IN ALBINO RAT NERVE AND LIVER CELLS IN HYPERTHERMIA (Tsitokhimicheskie Izmeneniya Nervnykh i Pechenochnykh Kletok Beloi Krysy pri Gipertermii). [1964] [28p] 49refs FASEB Ms no.: S708-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15505
figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 6, p. 54-61.

Hufschmid, Hans S.
THEORETICAL CONSIDERATIONS ON THE RENSHAW-FEEDBACK MECHANISM.
Order from SLA $2.60 TT-64-16586

Trans. of Paper presented at Cybernetic Conference Namur, Belgium, Sep 61.

Ivanova, M. B.
APPLICATION OF THE CHLOROPHYLL METHOD TO THE STUDY OF THE PRIMARY PRODUCTION OF DYSTROPHIC LAKES (Primenenie Khlorofil'nogo Distrofnogo Ozera) P. A. Kazakov, tr. [1964] [13p] (foreign text included) 6refs [CSIRO Trans. no.] 6772.
Order from OTS, SLA, or ETC $1.60 TT-64-15427

Trans. of mono. Pervichnaya Produktsiya Morei i Vntrennikh Vod, Minsk, 1961, p. 243-248.

Kanishchev, r. A.
COMPARATIVE CLINICAL AND HISTOLOGICAL FINDINGS IN CHRONIC GASTRITIS AND FUNCTIONAL GASTRIC DISORDERS (Kliniko-Gistologicheskie Sopostavleniya pri Khronicheskom Gastrite i Funktsional'nykh Rasstroistvakh Zheludka). [1964] [17p] (foreign text included) 7refs FASEB Ms no.: S728-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15486
figs available on loan from OTS

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 27, no. 8, p. 81-84.

Karmanova, I. G. and Shapiro, B. I.
SUPRAOPTIC AND PARAVENTRICULAR CELL CLUSTERS OF THE ANTERIOR HYPOTHALAMUS IN PHOTOGENIC CATALEPSY (O Supraopticheskikh i Paraventrikulyarnykh Kletochnykh Skopleniyakh Perednego Gipotalamusa pri Fotogennoi Katalepsii). [1964] [30p] (foreign text included) FASEB Ms no.: S712-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15507
figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 45, no. 7, p. 34-41.

Khmeleva, N. N.
THE COMPARATIVE DETERMINATION OF PRIMARY PRODUCTION IN FISH PONDS IN LATVIA BY THE OXYGEN AND RADIOCARBON METHODS (Sravnitel'noe Opredelenie Pervichnoi Produktsii Planktona v Prudakh Latviiskoi SSR Kislorodnym i Radiouglerodnym Metodami). [1964] [11p] (foreign text included) 7refs [CSIRO Trans. no.] 6775.
Order from OTS, SLA, or ETC $1.60 TT-64-15424

Trans. of mono. Pervichnaya Produktsiya Morei i Vnutrennikh Vod, Minsk, 1961, p. 209-213.

Lagutenko, Yu. P.
FUNCTIONAL AND HISTOLOGICAL FEATURES OF THE GONOTROPHIC CYCLE OF THE CHICKEN MITE DERMANYSSUS GALLINAE (GAMASOIDEA, DERMANYSSIDAE) (Funktsional'no-Gistologicheskie Osobennosti Gonotroficheskogo Tsikla Kurinogo Kleshcha Dermanyssus Gallinae (Gamasoidea, Dermanyssidae)). [1964] [22p] 14refs FASEB Ms no. S745-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15449

Trans. of Meditsinskaya Parazitologiya i Parazitarnye Bolezni (USSR) 1963, v. 32, no. 3, p. 313-319.

Olenov, Yu. M.
GENETICS OF TUMOR CELLS (Genetika Opukholevykh Kletok). [1964] [70p] (foreign text included) 76refs FASEB Ms no.: S793-3.
Order from OTS, SLA, or ETC $6.60 TT-64-15546

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 2, p. 180-200.

Olsuf'ev, N. G., Kucheruk, V. V., Borodin, V. P., Petrov, V. G., and Uglovoi, G. P.
ON THE CHANGE OF CONDITIONS OF EXISTENCE OF THE NATURAL TULAREMIA FOCUS IN THE NORTHERN PART OF THE VOLGO-AKHTUBINSK FLOOD PLAIN IN CONNECTION WITH THE CONSTRUCTION OF THE VOLGOGRAD HYDROELECTRIC POWER STATION (Ob Izmenenii Uslovii Sushchestvovaniya Prirodnogo Ochaga Tulyaremii v Severnoi Chasti Volgo-Aktubinskoi Poimy v Svyazi s Postroikoi Volgogradskoi Gidro-Elektricheskoi Stantsii).
4 May 64, 6p 4refs Trans. V-1915.
Order from OTS, SLA, or ETC $1.10 TT-64-15664

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 11, p. 127-132.

Pavlov, E. F.
THE EFFECT OF CHANGES IN NUTRITION OF THE REPRODUCTIVE CELLS AND EMBRYOS ON THE HEREDITARY CHARACTERISTICS OF THE ORGANISMS DEVELOPING FROM THEM IN MAMMALS AND BIRDS (Vliyanie Izmenenii v Pitanii Polovykh Kletok i Embrionov na Nasledstvennye Svoistva Razvivayushchikhsya iz Nikh Organizmov u Mlekopitayushchikh i Ptits) R. Wilson, tr. [1964] [45p] (foreign text included) 169refs CSIRO Trans. no. 6696.
Order from OTS, SLA, or ETC $4.60 TT-64-15433

Trans. of Akademiya Nauk Armyanskoi SSR [Erevan]. Izvestiya. Biologicheskie Nauki, 1961, v. 14, no. 8, p. 3-21.

Plojhar, Kahuda, and Erban.
THEMATIC PLAN OF RESEARCH IN THE FIELD OF MEDICAL SCIENCES AND HEALTH FOR THE YEAR 1960. 8 Oct 59, 47p JPRS: L-1899-D.
Order from OTS, SLA, or ETC $4.60 TT-59-31013

Trans. of Ministerstvo Zdravotnictvi, Prague. Vestnik (Czechoslovakia) 1959, v. 6, no. 13, p. 117-128.

Polenov, A. L. and Balonov, L. Ya.
MORPHOLOGICAL ANALYSIS OF CHANGES IN THE NEUROSECRETORY ELEMENTS OF THE NEUROHYPOPHYSIS OF ALBINO RATS FOLLOWING PAIN STIMULATION AND THE ACTION OF AMINAZINE (CHLORPROMAZINE) (Morfologicheskii Analiz Izmenenii v Neirosekretornykh Elementakh Neirogipofiza Belykh Krys pri Bolevom Razdrazhenii i Vozdeistvii Aminazina). [1964] [28p] (foreign text included) 21refs FASEB Ms no: S873-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15501
figs available on loan from OTS

Trans. of Problemy Endokrinologii i Gormonoterapii (USSR) 1963, v. 9, no. 5, p. 40-46.

Polulyakh, P. A. and Grebenyuk, R. V.
STUDY OF DERMACENTOR TICKS AS VECTORS OF BACTERIUM PESTIS UNDER EXPERIMENTAL CONDITIONS, II. (Izuchenie Kleshchei Dermacantor kak Perenoschikov Bact. Pestis v Eksperimental'nykh Usloviyakh (Soobshchenie II)). 4 May 64, 7p 8refs Trans. V-1909.
Order from OTS, SLA, or ETC $1.10 TT-64-15669

Trans. of Akademiya Nauk Kirgizskoi SSR [Frunze]. Izvestiya. Seriya Biologicheskikh Nauk, 1962, v. 4, no. 4, p. 65-69.

Priimak, E. Kh.
ELECTRON MICROSCOPIC INVESTIGATION OF THE NEURAL ANLAGE IN EARLY STAGES OF DEVELOPMENT (Elektronnomikroskopicheskoe Issledovanie Nervnogo Zachatka Rannikh Stadii Razvitiya). [1964] [16p] (foreign text included) 16refs FASEB Ms no.:S699-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15503
figs available on loan from OTS

Trans. of Akadamiya Nauk SSSR. Doklady, 1963, v. 148, no. 2, p. 477-480.

Semenov, S. P.
AN EXPERIMENTAL AND MORPHOLOGICAL STUDY OF THE AFFERENT ENDINGS OF CARDIAC NERVES (Eksperimental'no-Morfologicheskoe Issledovanie Afferentnykh Okonchanii Razlichnykh Serdechnykh Nervov). [1964] [43p] (foreign text included) 30refs FASEB Ms no.: S861-3.
Order from OTS, SLA, or ETC $4.60 TT-64-15509
figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 45, no. 9, p. 72-83.

Sergeev, K. K.
COMPARATIVE MORPHOLOGY OF EXTEROCEPTORS IN MAMMALIAN SKIN (Sravnitel'naya Morfologiya Eksteroretseptorov Kozhi Mlekopitayushchikh). [1964] [29p] (foreign text included) 19refs FASEB Ms no.: S715-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15508
figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 45, no. 7, p. 89-95.

Vinberg, G. G., Sivko, T. N., and Kovalevskaya, R. Z.
METHODS OF ESTIMATING CHLOROPHYLL CONTENT OF PHYTOPLANKTON AND SOME RESULTS OF THEIR APPLICATION (Metody Opredeleniya Soderzhaniya Khlorofilla v Planktone i Nekotorye Itogi iz Primeneniya) P. A. Kazakov, tr. [1964] [22p] [CSIRO Trans. no.] 6771.
Order from OTS, SLA, or ETC $2.60 TT-64-15428

Trans. of mono. Pervichnaya Produktsiya Morei i Vnutrennikh Vod, Minsk, 1961, p. 231-240.

Volynkin, Yu. M. and Saksonov, P. P.
MEDICAL AND BIOLOGICAL STUDIES OF SPACE FLIGHT FACTORS (Mediko-Biologicheskie Issledovaniya Faktorov Kosmicheskikh Poletov). [1964] [53p] (foreign text included) 26refs FASEB Ms no. S681-3.
Order from OTS, SLA, or ETC $5.60 TT-64-15545

Trans. of Akademiya Nauk SSSR. Izvestiya, Seriya Biologicheskaya, 1963 [v. 28] no. 3, p. 405-418. Another trans. is available from OTS $0.75 in TT-63-31684, JPRS-20943, 6 Sep 63, 31p

Zakharenkov, I. S.
THE CHLOROPHYLL CONTENT IN THE PLANKTON OF LAKES OF VARIOUS TYPES (Soderzhanie Khlorofilla v Planktone Ozer Raznykh Tipov) P. A. Kazakov, tr. [1964] [5p] (foreign text included) 18refs [CSIRO Trans. no.] 6773.
Order from OTS, SLA, or ETC $1.10 TT-64-15426

Trans. of mono. Pervichnaya Produktsiya Morei i Vnutrennikh Vod, Minsk, 1961, p. 241-242.

Zhenevskaya, R. P.
THE SIGNIFICANCE OF SENSORY NEURONS IN THE STRUCTURE AND REGENERATION OF SKELETAL MUSCULATURE (Znachenie Chuvstvitel'nogo Neirona dlya Stroeniya i Regeneratsii Skeletnoi Muskulatury). [1964] [21p] (foreign text included) 11refs FASEB Ms no.:S706-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15504
figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 5, p. 57-62.

Anatomy and Physiology

PHENOMENA AND MEASUREMENTS IN CONVERGENCE AND FUSION (Erscheinungen und Messungen bei Konvergenz und Fusion). [1961] [19p] 3refs
Order from SLA $1.60 TT-61-14202

Trans. of [Albrecht von Graefe's] Arch[iv] f[ür] Ophthalm[ologie] (Germany) 1934/35, v. 133, p. 121-130.

Ahrens, R. and Ahrens, A.
NEW EXPERIMENTS ON ANISOMORPHIC ACCOMMODATION (Neue Versuche über Anisomorphe Accommodation). [1961] [15p] (foreign text included).
Order from SLA $1.60 TT-61-14103

Trans. of Klinische Monatsblätter für Augenheilkunde (Germany) 1889, v. 27, p. 291-298.

Albada, L. E. W. van.
THE INFLUENCE OF ACCOMMODATION ON THE PERCEPTION OF DEPTH DIFFERENCES (Der Einfluss der Accommodation auf die Wahrnehmung von Tiefenunterschieden). [1961] [9p].
Order from SLA $1.10 TT-61-14434

Trans. of [Albrecht von Graefe's] Arch[iv] f[ür] Ophthalm[ologie] (Germany) 1902, v. 54, p. 430-435.

Balabekyan, Ts. P.
TICK PARALYSIS IN FOALS. [1964] 2p NAMRU Trans-37(T37).
Order from OTS, SLA, or ETC $1.10 TT-64-15616

Trans. of Veterinariya (USSR) 1954, v. 31, p. 44.

Bard, L.
ON THE PERCEPTION OF MOVEMENTS AND OF THEIR FORMS BY THE SENSE OF GYRATION (De la Perception des Mouvements et de Leurs Formes par le Sens de la Gyration). [Jun 48] 21p
Order from SLA $2.60 TT-61-14707

Trans. of J[ournal de] Physiol[ogie] (France) 1919/20, v. 18, p. 70-82.

Bechterew, W.
RESULTS OF THE SEVERING OF THE AUDITORY NERVE, TOGETHER WITH A DISCUSSION OF THE IMPORTANCE OF THE SEMICIRCULAR CANALS ON THE EQUILIBRIUM OF THE BODY (Ergebnisse der Durchschneidung des N. Acusticus, nebst Erörterung der Bedeutung der Semicirculären Canäle für das Körpergleichgewicht). [1961] 49p 29refs.
Order from SLA $4.60 TT-61-14644

Trans. of Pflüger's Arch[iv für die] Ges[amte] Physiol[ogie des Menschen und der Tiere] (Germany) 1883, v. 30, p. 312-347.

Biedermann, Heinz.
RESEARCH IN VISUAL ACUITY IN NEAR VISION (Untersuchungen über die Sehschärfe beim Nahsehen). [1961] [23p] 33refs.
Order from SLA $2.60 TT-61-14116

Trans. of Z[eitschrift] f[ür] O[phthalmologische] O[ptik] (Germany) 1927, v. 15, p. 1-10.

Bielschowsky, A.
COMBINATION OF FUNCTIONAL (PSYCHOGENETIC) DISTURBANCES WITH SUCH THAT ARE CONTINGENT UPON ORGANIC DISORDERS OF THE OCULOMOTOR APPARATUS. [1961] 20p 6refs.
Order from SLA $1.60 TT-61-14122

Trans. of Kl[inische] M[onatsblätter] f[ür] A[ugenheilkunde] (Germany) 1934, v. 92, p. 1-10.

Bielschowsky, A.
UNILATERAL AND NON-PARALLEL ("DISSOCIATED") VERTICAL MOVEMENTS OF THE EYES (Die Einseitigen und Gegensinnigen ("Dissociierten") Vertikalbewegungen der Augen). [1961] 85p (figs omitted) 13refs.
Order from SLA $8.10 TT-61-14117

Trans. of [Albrecht von Gräefe's] Arch[iv] f[ür] Ophthal[mologie] (Germany) 1930, v. 125, p. 493-553.

Bielschowsky, A. and Ludwig, A.
THE NATURE AND SIGNIFICANCE OF LATENT DISTURBANCES OF OCULAR BALANCE, ESPECIALLY OF THE VERTICAL DEVIATIONS (Das Wesen und die Bedeutung Latenter Gleichgewichtsstörungen der Augen, insbesondere der Vertikalablenkungen). [1961] [89p] (figs omitted) 29refs.
Order from SLA $8.10 TT-61-14123

Trans. of [Albrecht von Gräefe's] Arch[iv] f[ür] O[phthalmologie] (Germany) 1906, v. 62, p. 400-463.

Bordier, H.
THE "MOIRE" (WAVY WATERED EFFECT) IS THE RESULT OF AN IMPERFECTION IN OUR VISUAL ACUITY (La Moire est le Résultat d'une Imperfection de Notre Acuité Visuelle). [1961] [9p].
Order from SLA $1.10 TT-61-14132

Trans. of Arch[ives] d'O[phtalmologie] (France) 1928, v. 45, p. 515-521.

Brecher, Gerhard A.
THE OPTOKINETIC RELEASE OF TORSION AND ROTATORY NYSTAGMUS (Die Optokinetische Auslösung von Augenrollung und Rotatorischem Nystagmus). [1961] [26p] 27refs
Order from SLA $2.60 TT-61-14136

Trans. of Pflügers Arch[iv für die Gesamte Physiologie des Menschen und der Tiere] (Germany) 1934, v. 234, p. 13-28.

Breuer, Josef.
CONCERNING SEMICIRCULAR CANALS AND THE SENSE OF SPACE (Uber Bogengänge und Raumsinn). [Apr 54] 68p. 29refs.
Order from SLA $6.60 TT-61-14598

Trans. of Pflügers Arch[iv] f[ür] d[ie] Ges[amte] Physiol[ogie des Menschen und der Tiere] (Germany) 1897, v. 68, p. 596-648.

Bruck, Alfred.
CONCERNING THE RELATIONSHIPS OF DEAF-MUTISM TO THE SO-CALLED STATIC SENSE (Uber die Beiziehungen der Taubstummheit zum Sogenannten Statischen Sinn).
Jul 53, 32p 4refs.
Order from SLA $3.60 TT-61-14607

Trans. of Pflügers Arch[iv] f[ür] d[ie] Ges[amte] Physiol[ogie des Menschen und der Tiere] (Germany) 1895, v. 59, p. 16-42.

Buchholz, Friedrich Karl.
INVESTIGATIONS CONCERNING VISUAL FATIGUE ON NORMALS AND NEUROPATHICS (Untersuchungen über die Ermüdungen des Sehens an Gesunden und Nervenkranken). [1961] [29p] 10refs.
Order from SLA $2.60 TT-61-14138

Trans. of D[eu]tsch[e] Z[eitschrift] f[ür] Nervenheilk[unde] (Germany) 1937, v. 144, p. 141-159.

Burian, H. and Schubert, G.
THE NATURE OF THE NEAR-FIXATION OF THE PUPILS.
[1961] 15p 21refs.
Order from SLA $1.60 TT-61-14139

Trans. of [Albrecht von Gräefe's] Arch[iv] f[ür] O[phthalmologie] (Germany) 1936, v. 136, p. 377-386.

Chabrun, Hippolyte.
ON THE PHENOMENON OF RETINAL ACCOMMODATION: THE MECHANISM OF VISION (Du Phénomene d'Accomodation Retinienne Mecanisme de la Vision. Etude de Observation). [1961] 10p.
Order from SLA $1.10 TT-61-14143

Trans. of Arch[ives] d'Ophth[almologie] (France) 1926, v. 43, p. 551-557.

Coppez, H.
VISUAL ACUITY SCALES (Les Échelles d'Acuité Visuelle). [1961] [9p].
Order from SLA $1.10 TT-61-14145

Trans. of Archives d'Opthalmologie (France) 1930, v. 47, no. 7, p. 428-433.

Dohlman, Gösta.
THE ROLE OF THE PERILYMPH IN THE VESTIBULAR REACTIONS (Die Rolle der Perilymphe bei den Vestibulären Reasktionen). [1961] [10p].
Order from SLA $1.10 TT-61-14723

Trans. of Arch[iv für] Ohr[en]-, Nasen- u[nd] Kehl[kopf]heilk[unde] (Germany) 1941, v. 150, p. 25-30.

Donders.
STEREOSCOPY THROUGH DIFFERENCE IN COLOR (Uber Stereoskopie durch Farbendifferenz). [1961] 10p 2refs.
Order from SLA $1.10 TT-61-14156

Trans. of Klin[ische] Monatbl[ätter] f[ür] Augenh[eilkunde] (Germany) 1886, v. 24 [beilageheft] p. 82-93.

Drogichina, E. A. and Osipova, V. G.
THE PART PLAYED BY THE DIFFERENT LEVELS OF THE PERIPHERAL NERVOUS SYSTEM IN DISTURBANCE TO REGIONAL CIRCULATION IN VIRBRATION DISEASE (O Roli Razlichnykh Urovnei Perifericheskoi Nervnoi Sistemy v Narushenii Regionarnogo Krovoobrashcheniya pri Vibratsionnoi Bolezni). [1964] [15p] 8refs FASEB Ms. no.: S772-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15552

Trans. of Gigiena Truda i Professional'nye Zabolevaniya (USSR) 1963 [v. 7] no. 7, p. 31-35.

Eidel'man, F. M.
THE BLOOD, URINE AND GASTRIC CONTENTS HISTAMINE CONCENTRATION IN PATIENTS WITH NORMAL AND ABNORMAL GASTRIC SECRETORY ACTIVITY (Soderzhanie Gistamina v Krovi, Moche i Zheludochnom Soderzhimom pri Normo-Giper- i Giposekretsii Zheludochnykh Zhelez). [1964] [14p] (foreign text included) 12refs FASEB Ms no.:S644-3
Order from OTS, SLA, or ETC $1.60 TT-64-15483

Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 6, p. 101-105.

Elschnig, A.
A FURTHER CONTRIBUTION TO THE KNOWLEDGE OF BINOCULAR DEPTH PERCEPTION (Weiterer Beitrag zur Kenntniss der Binocularen Tiefenwahrnehmung). [1961] [23] 13refs.
Order from SLA $2.60 TT-61-14159

Trans. of A[lbrecht von] G[raef'e] Archiv f[ür] Ophth[almologie] (Germany) 1902, v. 54, p. 411-429.

Erggelet, H.
A CONTRIBUTION TO THE STUDY OF ANISOMETROPIA: METHODICAL EXPERIMENTAL CONSIDERATIONS (Ein Beitrag zur Frage der Anisometropie: Methodisch-Experimentelle Betrachtungen). [1961] 37p (figs omitted).
Order from SLA $3.60 TT-61-14166

Trans. of Z[ei]tschr[ift] f[ür] Psych[ologie] u[nd] Physiol[ogie[d[er] Sinnesorg[ane. Abt. 2: Zeitschrift fur Sinnesphysiologie] (Germany) [1916] v. 49, p. p. 326-364.
Another trans. is available from SLA on loan as TT-61-10975, 6p.

Etingen, L. E.
APPLICATIONS OF FLUORESCENCE MICROSCOPY IN STUDY OF OVARIAN FUNCTIONAL MORPHOLOGY (Vozmozhnost' Primeneniya Lyuminestsentnoi Mikroskopii dlya Izucheniya Funktsional'noi Morfologii Yaichnika). [1964] [31p] 40refs FASEB Ms no. S709-3.
Order from OTS, SLA, or ETC $3.60 TT-64-15455

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 6, p. 80-86.

Feilchenfeld, Wilhelm.
ON THE SPONTANEITY OF THE EYE MOVEMENTS, ESPECIALLY OF THE TORSION OF THE EYES (Uber die Willkurlichkeit der Augenbewegungen insbesondere der Rollung der Augen). [1961] 6p 8refs.
Order from SLA $1.10 TT-61-14171

Trans. of Kl[inische] M[onatsblätter] f[ür] A[ugenheilkunde] (Germany) 1932, v. 88, p. 514-517.

Fick, A. Eugen.
A CARD (Erklarung). [1961] 1p 2refs
Order from SLA $1.10 TT-61-14175

Trans. from [Albrecht von] Graefe's Archiv f[ür] Opnthalmologie (Germany) 1896, v. 42, p. 316.

Fick, Eugen A.
ON UNEQUAL ACCOMMODATION IN THE CASE OF NORMAL AND ANISOMETROPIC INDIVIDUALS (Uber Ungleiche Accommodation bei Gesunder und Anisometropen). [1961] 44p (figs table omitted) 15refs.
Order from SLA $4.60 TT-61-14173

Trans. of Archiv für Augenheilkunde (Germany) 1889, v. 19, p. 123-158.

Fischer, F. P.
COMPARATIVE EXAMINATION OF THE INFLUENCE OF SPECTACLES ON STEREOSCOPIC VISION (Vergleichende Prüfung des Einflusses von Brillengläsern auf das Stereoskopische Sehen). [1961] [38p] 10refs
Order from SLA $3.60 TT-61-14176

Trans. of [Albrecht von Graefe's] Arch[iv] f[ür] O[phthalmologie] (Germany) 1924, v. 114, no. 3/4, p. 441-464.

Fischer, M. H.
INVESTIGATIONS ON VISUAL DISTANCE (EGOCENTRIC DISTANCE LOCALIZATION (Untersuchungen über Lehferne (Egozentrische Abstandslkalisation). [1961] [14p] 6refs.
Order from SLA $1.60 TT-61-14180

Trans. of Deutsche Ophthalm[ologische] Gesellsch[aft]. Ber[icht] (Germany) 1932, v. 49, p. 36-44.

Fischer, R.
THE ESTIMATION OF SIZE IN THE VISUAL FIELD (Grössenschätzungen im Gesichtsfeld). [1961] [74p] (foreign text included).
Order from SLA $7.60 TT-61-14183

Trans. of [Albrecht von Gräefe's] Arch[iv] f[ür] O[phthalmologie] (Germany) 1891, v. 37, p. 97-136.

Flascherträger, Heinrich.
THE IRIS DIAPHRAGM FOR AMBLYOPES (Die Irisblende für Schwachsichtige). [1961] 4p 7refs.
Order from SLA $1.10 TT-61-14185

Trans. of Kl[inische] M[onatsblätter] f[ür] A[ugenheilkunde] (Germany) 1929, v. 82, p. 358-360.

Fleischer, Ernst.
CROSS DISPARITY AS THE PHYSIOLOGIC BASIS OF BINOCULAR DEPTH PERCEPTION (Die Querdisparation als Physiologische Grundlage des Binokularen Tiefensehens). [1961] [112p] 57refs.
Order from SLA $9.60 TT-61-14604

Trans. of Z[eitschrift] f[ür] Psychol[ogie] u[nd] Physiol[ogie der Sinnesorgane. Abt. 1: Zeitschrift für Psychologie] (Germany) 1939/1940, v. 147, p. 65-132.

Fleischer, Ernst.
THE EXPERIMENTAL BASIS OF BINOCULAR COLOR VISION (Experimentelle Grundlage des Binokularen Farbensehens). [1961] [11p] 14refs.
Order from SLA $1.60 TT-61-14186

Trans. of Pflüger's Arch[iv für die Gesamte Physiologie das Menschen und der Tiere] (Germany) 1931, v. 228, p. 724-730.

Frank, M.
STUDIES CONCERNING THE COMPATIBILITY OF THE HERING-HILLEBRAND HOROPTER DEVIATION AND THE KUNDT DIVISION TEST. [1961] [16p] 4refs.
Order from SLA $1.60 TT-61-14191

Trans. of [Pflüger's Archiv für die Gesamte Physiologie des Menschen und der Tiere [(Germany) 1905, v. 109] p. 63-72.

Fröhlich, Richard.
UNDER WHAT CONDITIONS DO DOUBLE IMAGES APPEAR AT DIFFERENT DISTANCES FROM THE OBSERVER? (Unter Welchen Umstauden Erscheinen Doppelbilder in Ungleichem Abstaude vom Beobachter?). [1961] [32p] 11refs
Order from SLA $3.60 TT-61-14193

Trans. of [Alorecht von Graefe's] Arch[iv] f[ür] O[phthalmologie] (Germany) 1895, v. 41, p. 135-157.

Frol'kis, V. V.
SELF-REGULATION OF THE FUNCTIONS AT THE AGING OF THE ORGANISM (Samoregulyatsiya Funktsii pri Starenii Organizma)
Z. Knowles, tr. 28 Apr 64, 12p 14refs NIH no. 4-40-64.
Order from OTS, SLA, or ETC $1.60 TT-64-15566

Trans. of #Fiziologicheskii Zhurnal SSSR, 1963, v. v. 49, no. 10, p. 1221-1229.

Frol'kis, V. V. and Zamost'yan, V. P.
AGE-DETERMINED CHARACTERISTICS OF THE REGULATION OF TROPHISM IN THE SKELETAL MUSCLE (Vikovi Osoblivosti Regulatsii Trofiki Skeletnikh M'yaziv). [1964] 9p 20refs NIH no. 5-2-64.
Order from OTS, SLA, or ETC $1.10 TT-64-15569

Trans. of Fiziologichnyi Zhurnal (USSR) 1963, v. 9, no. 5, p. 596-600.

Fruböse, A. and Jaensch, Paul A.
THE INFLUENCE OF VARIOUS FACTORS ON VISUAL ACUITY FOR DEPTH (Der Einfluss Verschiedener Faktoren auf die Tiefenschärfe). [1961] 16p 12refs
Order from SLA $1.60 TT-61-14194

Trans. of Z[ei]schr[ift] f[ür] Biol[ogie] (Germany) 1923, v. 78, p. 119-132.

Gaede, W.
CONCERNING THE MOVEMENT OF A FLUID IN A ROTATING HOLLOW RING, WITH SPECIAL CONSIDERATION OF THE PROCESSES IN THE SEMICIRCULAR CANALS OF THE EAR (Uber die Bewegung der Flussigkeit in einem Rotierenden Hohlring unter besonderer Berücksichtigung der Vorgänge in den Bogengängen des Ohres). [1961] [15p] 1ref.
Order from SLA $1.60 TT-61-14645

Trans. of Arch[iv] f[ür] Ohren-, Nasen- u[nd] Kehlkopfh[eilkunde] (Germany) 1922, v. 110, p. 6-14.

Gellhorn, Ernst.
CONTRIBUTIONS TO THE PHYSIOLOGY OF OPTICAL SPACE PERCEPTION (Beiträge zur Physiologie des Optischen Raumsinnes). [1961] [25p] 10refs.
Order from SLA $2.60 TT-61-14199-1

Trans. of Pflügers Arch[iv für die Gesamte Physiologie des Menschen und der Tiere] (Germany) 1924, v. 203, p. 186-198.

Gol'dberg, G. A.
THE EFFECT OF PHYSICAL LABOR AND CERTAIN OTHER FACTORS ON THE BLOOD CHOLESTEROL AND LIPOPROTEIN LEVELS (K Voprosu o Vliyanii Professional'noi Fizicheskoi Nagruzki i Nekotorykh Drugikh Faktorov na Uroven Kholesterina i Lipoproteidov Krovi). [1964] [29p] (foreign text included) 11refs FASEB Ms no.: S674-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15539

Trans. of Kardiologiya (USSR) 1963, v. 3, no. 3, p. 62-68.

Guglin, E. R. and Naiman, L. I.
CHANGES IN THE LEUKOCYTE COUNT IN HEALTHY PERSONS (Izmeneniya Chisla Leikotsitov v Krovi Zdorovykh Lyudei). [1964] [12p] (foreign text included) 4refs FASEB Ms no: S 720-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15529

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 7, p. 29-32.

Harms, Heinrich.
INVESTIGATIONS CONCERNING THE NEAR TORSION AND ITS COMPARATIVE MEASUREMENT BY MEANS OF THE AFTER-IMAGE METHOD AND SETTING OF THE SUBJECTIVE VERTICAL (Untersuchungen über die Näherungsrollung und ihre Vergleichende Messung durch Nachbildmethode und Einstellung der Subjektiven Vertikale). [1961] [45p] 31refs
Order from SLA $4.60 TT-61-14206

Trans. of [Albrechte von Graefe's] Arch[iv] f[ür] Ophthalm[ologie] (Germany) 1934/1935, v. 133, p. 231-253.

Heine, L.
VISUAL ACUITY AND DEPTH APPERCEPTION (Sehschärfe und Tiefenwahrnehmuag). [1961] [38p] 18refs.
Order from SLA $3.60 TT-61-14212

Trans. of [Albrecht] v[on] Graefe's Arch[iv] f[ür] Ophthalmol[ogie] (Germany) 1900, v. 51, p. 146-173.

Hering, Ewald.
THE LAW OF IDENTICAL VISUAL DIRECTIONS (Das Gesetz der Identischen Sehrichtungen). [1961] [51p] (foreign text included) 4refs.
Order from SLA $5.60 TT-61-14216

Trans. of Arch[iv] f[ür] Anat[omie] Physiol[ogie] u[nd] Wiss[enschaftliche] Med[icin] (Germany) 1864, no. 1, p. 27-51.

Herzau, Werner.
ANISEIKONIC RESEARCH IN RETROSPECT AND PROSPECT (Rückblick und Ausblick auf die Aniseikonia-Forschung). [1961] 6p
Order from SLA $1.10 TT-61-14223

Trans. of Kl[inische] M[onatsblätter] f[ür] A[ugenheilkunde] (Germany) 1938, v. 101, p. 97-99.

Hess, C.
ON THE ALLEDGED PROOFS OF THE POSSIBILITY OF UNEQUAL ACCOMMODATION (Über die Angeblichen Beweise für das Vorkommen Ungleicher Accommodation). [1961] 8p.
Order from SLA $1.10 TT-61-14228

Trans. of [Albrecht] v[on] Graefe's Archiv f[ür] Ophthalmologie (Germany) 1896, v. 42, p. 249-256.

Hess, Carl.
A CRITICISM OF THE RECENT EXPERIMENTS ON THE POSSIBILITY OF UNEQUAL ACCOMMODATION (Kritik der Neueren Versuche über das Vorkommen Ungleicher Accommodation). [1961] 14p.
Order from SLA $1.60 TT-61-14230

Trans. of [Albrecht von Graefe's] Archiv f[ür] Ophthalm[ologie] (Germany) 1892, v. 38, p. 169-183.

Hess, Carl.
EXPERIMENTS ON THE ALLEDGED INEQUALITY OF ACCOMODATION IN THE CASE OF NORMAL AND ANISOMETROPIC INDIVIDUALS (Versuche über die Angebliche Ungleiche Accommodation bei Gesunden und Anisometropen). [1961] 14p (tables omitted).
Order from SLA $1.60 TT-61-14226

Trans. of [Albrecht von Graefe's] Archiv für Ophthalmologie (Germany) 1889, v. 35, p. 157-171.

Hillebrand, Franz.
THE STABILITY OF THE SPACE VALUES IN THE RETINA (Die Stabilität der Raumwerte Auf der Netzhaut). [1961] [74p] 11refs.
Order from SLA $7.60 TT-61-14234

Trans. of Z[ei]tschr[ift] f[ür] Psychol[ogie] u[nd] Physiol[ogie] d[er] Sinnesorg[ane] (Germany) 1893, v. 5, p. 1-60.

Hiroshi, Kobata.
THE ADRENAL CORTEX AND ITS CHOLESTEROL. [1964] 27p
Order from K-H $16.20 K-H 1427

Trans. of [Fukuoka Igaku Zasshi] (Japan) 1929 [sic] v. 22, no. 7, p. 1519-1537.

Hofmann, F. B. and Bielschowsky, A.
ON FUSIONAL MOVEMENTS OF THE EYES INDEPENDENT OF THE WILL (Über die der Willkür Entzogenen Fusionsbewegungen der Augen). [1961] (figs tables refs omitted).
Order from SLA $1.60 TT-61-14239

Partial trans. (extracts) of Pflügers Arch[iv für die Gesamte Physiologie des Menschen und der Tiere] (Germany) 1900, v. 80, p. 1-40.

Horovitz, Karl.
THE PERCEPTION OF SIZE AND RELIEF IN VISUAL SPACE. [1961] [21p] (figs formulae omitted) 12refs.
Order from SLA $2.60 TT-61-14240

Trans. of [Pflüger's] Arch[iv für die Gesamte Physiologie des Menschen und der Tiere] (Germany) 1922, v. 194, p. 629-[646].

Hummelshein, Ed.
ON THE INFLUENCE OF THE PUPIL-WIDTH ON VISUAL ACUITY WITH DIFFERENT INTENSITIES OF ILLUMINATION (Über den Einfluss der Pupillensette auf die Sehschärfe bei Verschiedener Intensitat der Beleuchtung). [1961] [14p] 11refs.
Order from SLA $1.60 TT-61-14242

Trans. of [Albrecht von Graefe's] Archiv f[ür] Ophth[almologie] (Germany) 1898, v. 45, p. 357-373.

Kahn, R. H.
CONCERNING THE PULFRICH STEREO-EFFECT (Über den Stereo-Effekt von Pulfrich). [1961] [19p] 12refs.
Order from SLA $1.60 TT-61-14248

Trans. of Pflüger's Arch[iv für die Gesamte Physiologie des Menschen und der Tiere] (Germany) 1931, v. 228, p. 213-224.

Kipfer, Robert.
CONCERNING THE PARTICIPATION OF CONTRAST IN ELEMENTARY PHYSIOLOGIC SPACE PERCEPTION (Über die Beteiligung des Kontrastes an der Elemontaren Physiologischen Raumempfindung). [1961] [75p].
Order from SLA $7.60 TT-61-14252

Trans. of Z[eitschrift] f[ür] Biol[ogie] (Germany) 1918, v. 68, p. 163-222.

Kirsch, Robert.
EXAMINATIONS OF VISUAL ACUITY WITH THE AID OF THE ZEISS VISOMETER (Sehschärfenuntersuchungen mit Hilfe des Visometers von Zeiss). [1961] [6p] (figs omitted).
Order from SLA $1.10 TT-61-14253

Partial trans. (excerpt no. 14) from [Albrecht von Graefe's] Arch[iv] f[ür] O[phthalmologie] (Germany) 1920/1921, v. 103/104, p. 255-259.

Kirsch, Robert.
VISUAL ACUITY EXAMINATIONS WITH THE AID OF THE ZEISS VISOMETER (Sehschärfenuntersuchungen mit Hilfe des Visometers von Zeiss). [1961] [12p] 4refs.
Order from SLA $1.60 TT-61-14251

Trans. of [Albrecht von Graefe's] A[rchiv] f[ür] O[phthalmologie] (Germany) 1920/1921, v. 103/104, p. 262-269.

Kogan, A. I.
LACUNAE OF THE MUCOUS MEMBRANE OF THE ANAL CANAL (O Lakunakh Slizistoi Obolochki Anal'nogo Kanala). [1964] [19p] (foreign text included) 2refs FASEB Ms no.: S719-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15485
figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 45, no. 8, p. 84-89.

Koster, W.
A CONTRIBUTION TO THE SCIENCE OF MICROPIA AND MACROPIA: SUPPLEMENT TO MY ARTICLE (Zur Kenntniss der Mikropie und Makropie: Nachtrag zu Meinem Aufsatze). [1961] [13p] (foreign text included).
Order from SLA $1.60 TT-61-14262

Trans. of [Albrecht von Graefe's] Arch[iv für] Ophth[almologie] (Germany) [1898] v. 45, p. 90-96.

Kothe, R.
CONCERNING VERTICAL DISPARITIES AND THE HYPERPLASTICITY OF NEAR OBJECTS (Über Längsdisparationen und über die Überplasticitat Naher Gegenstände). [1961] [20p] 8refs.
Order from SLA $1.60 TT-61-14263

Trans. of Arch[iv] f[ür] Augenh[eilkunde] (Germany) 1903, v. 49, p. 338-350

Kozhevnikov, V. A.
TECHNICAL PROCEDURES FOR DETECTING WEAK BIOELECTRICAL RESPONSES. 24 Mar 64 [14p] 13p 14refs FTD-TT-63-1194.
Order from OTS, SLA, or ETC $1.60 TT-64-15402

Unedited rough draft trans. of mono. Elektronika v Meditsine, Moscow/Leningrad, 1960, p. 120-129.

Kreiker, A.
ON THE AUBERT-FOERSTER PHENOMENON ON THE BASIS OF EXPERIMENTAL INVESTIGATION WITH SOME NOTES ON THE CHARACTERISTICS OF THE VISUAL FIELD. [1961] [23p].
Order from SLA $2.60 TT-61-14268

Trans. of [Albrecht von] Graefe's Arch[iv] f[ür] Ophthal[mologie] (Germany) 1927, v. 118, p. 292-310.

Kühl, A.
VISUAL ACUITY, INTENSITY OF ILLUMINATION AND RICCO'S PROPOSITION (Sehscharfe, Beleuchtungsstärke und Riccoscher Satz). [1961] [5p] 7refs
Order from SLA $1.10 TT-61-14270

Trans. of Z[eitschrift] f[ür] Ophth[almologische] O[ptik] (Germany) 1927, v. 14, p. 129-132.

Kupfer, E.
OPTIC EXPERIMENTS ON "RETINAL IMAGE AND PERCEPTION IMAGE" BY MEANS OF MICROPSIA AND THE KOSTER AND AUBERT-FOERSTER PHENOMENA (Optische Experimentaluntersuchungen über "Netzhaubild und Wahrnehmungsbild" an Hand der Mikropsieerscheinungen sowie der Kosterschen und Aubert-Foersterschen Phänomene). [1961] [40p].
Order from SLA $3.60 TT-61-14277

Trans. of [Albrecht von Graefe's] Arch[iv] f[ür] Opthal[mologie] (Germany) 1926, v. 117, p. 511-537.

Laudenbach, J.
ON THE PROBLEM OF THE OTOLITHS (Zur Otolithen-Frage). [Jan 55] [12p] 3refs.
Order from SLA $1.60 TT-61-14586

Trans. of Pflüger's Arch[iv] f[ür] d[ie] Ges[amte] Physiol[ogie] d[es] Menschen u[nd] d[er] Tiere (Germany) 1899, v. 77, p. 311-320.

Leiri, F.
IS THERE AND EXTRA-LENTICULAR ACCOMODATION MECHANISM IN THE EYE. [1961] [15p] (refs omitted).
Order from SLA $1.60 TT-61-14286

Trans. from [Albrecht von Graefe's] Archiv für Ophthalmologie (Germany) 1928, v. 121, no. 1.

Maida, A., Maiorek, E., and Kotel'ba-Vitkovskaya, B.
THE PROPERTIES OF STORED BLOOD AS A FUNCTION OF THE METHOD OF DRAWING AND STORING THE BLOOD (Osobennosti Konservirovaniya Krovi v Zavisimosti ot Sistem dlya Vzyatiya Krovi). [1964] [9p] (foreign text included) 30refs FASEB Ms no.: S33-4.
Order from OTS, SLA, or ETC $1.10 TT-64-15453

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 9, p. 44-45.

Markizov, F. P.
FEATURES OF VASCULAR RAMIFICATIONS IN ORGANS (Osobennosti Vetvleniya Organnykh Krovenosnykh Sosudov). [1964] [58p] (foreign text included) 79refs FASEB Manuscript no.: S716-3.
Order from OTS, SLA, or ETC $5.60 TT-64-15510
figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 45, no. 8, p. 3-18.

Masevich, Ts. G.
THE SIGNIFICANCE OF MORPHOLOGICAL AND FUNCTIONAL METHODS OF GASTRIC ANALYSIS IN DIAGNOSIS OF CHRONIC GASTRITIS (Znachenie Morfologicheskikh i Funktsional'nykh Metodov Issledovaniya Zheludka v Diagnostike Khronicheskikh Gastritov). [1964] [25p] 11refs FASEB Ms no.: S759-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15487
figs available on loan from OTS

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 6, p. 38-46.

Nedogoda, V. V.
A TECHNIQUE FOR MEASURING THE RATE OF BLOOD FLOW IN THE PORTAL CIRCULATION BY MEANS OF ETHER, AND THE DIAGNOSTIC SIGNIFICANCE THEREOF (K Metodike i Diagnosticheskoi Tsennosti Opredeleniya Skorosti Portal'nogo Krovotoka Efirnym Sposobom). [1964] [30p] (foreign text included) 31refs FASEB Ms no.: S764-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15583

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 8. p. 39-44.

Okhnyanskaya, L. G.
SOME FEATURES OF THE BIOELECTRIC ACTIVITY OF MUSCLES IN OCCUPATIONAL NEUROMUSCULAR CONDITIONS (Nekotorye Osobennosti Bioelektricheskoi Aktivnosti Myshts pri Professional'nykh Nervno-Myshechnykh Zabolevaniyakh). [1964] [24p] 14refs FASEB Ms no.: S771-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15551

Trans. of Gigiena Truda i Professional'nye Zabolevaniya (USSR) 1963 [v. 7] no. 7, p. 13-19.
Another trans. is available from OTS $0.50 as TT-63-31735, JPRS-21034, 11 Sep 63, 10p.

Pirogov, V. O.
MEASUREMENT OF THE TEMPERATURE OF THE CORTICAL AND MEDULLARY LAYERS OF THE KIDNEY DURING ITS FUNCTIONAL ACTIVITY (Vimiryuvannya Temperaturi Korkovoho i Mozkovoho Shariv Nirki v Protsesi yiyi Diyal'nosti). [1964] [16p] 12refs FASEB Ms no. S661-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15445

Trans. of Fiziologichnyi Zhurnal (USSR) 1963, v. 9, no. 3, p. 357-362.

Polliot.
PERSPECTIVE AND STEREOSCOPY. [1961] 17p (figs omitted).
Order from SLA $1.60 TT-61-14367

Trans. of Arch[ives] d'opthal[mologie] (France) 1927, v. 44, p. 205-218.

Polliot [H.].
PROJECTION IMAGES IN BINOCULAR VISION (CONTINUATION) [Les Images de Projection dans la Vision Binoculaire]. [1961] 28p (figs omitted).
Order from SLA $2.60 TT-61-14366

Trans. of Archives d'Opthal[mologie] (France) 1922, v. 39, p. 83-107.

Polliot [H.]
PROJECTION IMAGES IN BINOCULAR VISION (A SIMPLE, EXACT AND GENERAL METHOD FOR REPRESENTING THEM) (Les Images de Projection dans la Vision Binoculaire un Procédé Simple, Précis et General pour les Represented). [1961] [19p].
Order from SLA $1.60 TT-61-14368

Trans. of Arch[ives] d'Opthalm[ologie] (France) 1921, v. 38, p. 98-112.

Polliot [H.]
PROJECTION IMAGES IN BINOCULAR VISION. (A SIMPLE EXACT AND GENERAL METHOD FOR THEIR REPRESENTATION)(CONTINUATION) (Les Images de Projection dans la Vision Broculaire, un Procédé Simple, Précis et General pour les Represented). [1961] 18p.
Order from SLA $1.60 TT-61-14369

Trans. of Archives d'Opthalm[ologie] (France) 1921, v. 38, p. 547-561.

Polliot, H.
THE VARIATIONS OF THE APPARENT DIAMETER OF OBJECTS IN BINOCULAR VISION (Variations du Diametre Apparent des Objets dans la Vision Binoculare). [1961] (foreign text included) 2refs.
Order from SLA $1.60 TT-61-14370

Trans. of Archives d'Opthalmologie (France) 1926, v. 43, p. 415-423.

Roelofs, C. Otto.
BINOCULAR AND MONOCULAR LOCALIZATION (Binokulare und Monokulare Lokalisation). [1961] 41p (figs omitted)
Order from SLA $4.60 TT-61-14377

Trans. of Arch[iv] f[ür] Augenheilk[unde] (Germany) 1937, v. 110, p. 330-356.

Rohr, M. v.
ON THE THEORY OF THE TELESCOPIC SPECTACLES (Zur Theorie der Fornrohrbrille). [1961] [37p] 9refs
Order from SLA $3.60 TT-61-14387

Trans. of [Alnrecht von Graefe's] Arch[iv] f[ür] Ophthalm[ologie] (Germany) 1910, v. 75, p. 561-585.

Schriever, Walter.
EXPERIMENTAL STUDIES CONCERNING STEREOSCOPIC VISION (Experimentelle Studien Über Stereoskopisches Sehen). [1961] [73p] 13refs.
Order from SLA $7.60 TT-61-14407

Trans. of Z[eitschrift] f[ür] Psychol[ogie] u[nd] Physiol[ogie der Sinnesorgane. Abt]. 1: [Zeitschrift für Psychologie] (Germany) 1925, v. 96, no. 1, p. 113-170.

Schubert, Gustav and Brecher, Gerhard A.
CONCERNING OPTICAL LOCALIZATION AND OCULAR POSITION IN FORWARD-BACKWARD INCLINATION OR ECCENTRIC ROTATION OF THE BODY (Über Optische Lokalisation und Augenstellung bei Vor-Rückwartsneigung Oder Excentrischer Rotation des Körpers). [37p] 33refs.
Order from SLA $3.60 TT-61-14408

Trans. of [Zeitschrift fur Psychologie und Physiologie der Sinnesorgane. Abt. 2]: Z[eitschrift] f[ür] Sinnesphysiol[ogie] (Germany) 1934, v. 65, no. 1/2, p. 1-26.

Shapiro, E. A.
CHANGES IN THE VITAL STAINING OF NERVE ENDINGS IN A STATE OF DEPRESSION (Izmenenie Vital'noi Okraski Nervnykh Okonchanii vo Vremya Pessimuma). [1964] [14p] (foreign text included) 17refs FASEB Ms no.: S838-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15554

Trans. of #Tsitologiya (USSR) 1963, v. 5, no. 3, p. 323-326.

Sheyanov, G. G. and Rabkina, A. E.
EFFECTS OF STARVATION ON THE HISTOLOGICAL STRUCTURE AND FUNCTION OF THE ISLETS OF LANGERHANS (Vliyanie Golodaniya na Gistostrukturu i Funktsiyu Ostrovkov Langergansa). [1964] [16p] (foreign text included) 13refs FASEB Ms no. S870-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15460

Trans. of Problemy Endokrinologii i Gormonoterapii (USSR) 1963, v. 9, no. 5, p. 12-17.

Skubich, A.
EXPERIMENTAL CONTRIBUTIONS TO THE INVESTIGATION OF BINOCULAR VISION (Experimentelle Beiträge zur Untersuchung des Binokularen Sehens). [1961] [54p] 21refs
Order from SLA $5.60 TT-61-14411

Trans. of Zeitschr[ift] f[ür] Psychol[ogie] u[nd] Physiol[ogie der Sinnesorgane. Abt. 1: Zeitschrift für Psychologie] (Germany) 1925, v. 96, p. 353-399.

Tagawa, Sukezo.
ON THE DISPERSION OF THE REFRACTIVE MEDIA OF THE EYE (Über die Dispersion der Brechenden Medien des Auges). [1961] [43p] 32refs
Order from SLA $4.60 TT-61-14418

Trans. of Arch[iv] f[ür] A[ugenheilkunde] (Germany) 1928, v. 99, p. 587-610.

Teodorovich, V. I. and Shulutko, L. S.
THE USE OF PLASTIC CONTAINERS IN THE PREPARATION AND PRESERVATION OF BLOOD PRODUCTS (Ispol'zovanie Plastikatnoi Tary dlya Prigotovleniya i Khraneniya Komponentov Krovi). [1964] [11p] (foreign text included) FASEB Ms no.: S32-4.
Order from OTS, SLA, or ETC $1.60 TT-64-15452

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 9, p. 32-34.

Trendelenburg, W. and Drescher, K.
CONCERNING THE LIMITS OF BINOCULAR DEPTH PERCEPTION AND THE PERCEPTION OF DOUBLE IMAGES (Über die Grenzen der Beidäugigen Tiefenwahrnehmung und Doppelbildwshrnehmung). [1961] [14p] 12refs.
Order from SLA $1.60 TT-61-14423

Trans. of Z[eitschrift] f[ür] Bio[logie] (Germany) 1926, v. 84, p. 427-435.

Tschermak, A.
CONTINUED STUDIES ON BINOCULAR VISION: ON CHROMATIC STEREOSCOPY (Fortgesetzte Studien über Binokularsehen). [1961] [50p] 48refs.
Order from SLA $4.60 TT-61-14429

Trans. of Pflüger's Arch[iv für die Gesamte Physiologie des Menschen und der Tiere] (Germany) 1924, v. 204, p. 177-202.

Tschermak, A.
CONTRIBUTION TO THE THEORY OF THE LONGITUDINAL HOROPTER (ON DEPTH LOCALIZATION WITH CONTINUED AND INSTANTANEOUS STIMULATION. FROM OBSERVATIONS MADE BY DR. KIRIBUCHI, TOKIO) (Beitrag zur Lehre vom Längshoropter über die Tiefenlokalisation bei Dauer- und bei Momentreizen nach Beobachtungen von Dr. Kiribuchi, Tokio). [1961] [28p] 4refs.
Order from SLA $2.60 TT-61-14425

Trans. of Pflüger's Arch[iv für die Gesamte Physiologie des Menschen und der Tiere] (Germany) 1900, v. 81, p. 328-348.
Another trans. is available from SLA $3.60 as TT-61-14626 [36p].

Vorontsov, D[aniil] S[emenovich].
GENERAL ELECTROPHYSIOLOGY. 27 Feb 64 [826p] 124refs FTD-TT-63-580; AD-600 133.
Order from OTS $10.50 TT-64-11650

Unedited rough draft trans. of mono. Obshchaya Elektrofiziologiya, Moscow, 1961 [487p].
A partial trans. (p. 3-8, 316-376, 474-480, 486-487) is available from OTS or SLA $13.00 as TT-62-33336, JPRS-15556, 3 Oct 62 [189p].

Weckert, Fritz.
CONCERNING FUSION (Über die Fusion). [1961] [12p] 9refs. TT-61-14436
Order from SLA $1.60

Trans. of [Albrecht von Graefe's] Arch[iv] f[ür] Ophthalm[ologie] (Germany) 1939, v. 140, p. 553-560.

Weinhold, M.
CONCERNING THE DISTANCE CONCEPTIONS IN THE BINOCULAR FUSION OF HALF-IMAGES (Über Entfernungsvorstellungen bei Binokularer Verschmelzung von Halbbildern). [1961] [18p] 2refs.
Order from SLA $1.60 TT-61-14438

Trans. of [Albrecht von Graefe's] Arch[iv] f[ür] Ophthalm[ologie] (Germany) 1904, v. 59, p. 459-471.

Weinhold, M.
CONCERNING VISION WITH LONGITUDINALLY DISPARATE RETINAL MERIDIANS (Über das Sehen mit Längsdisparaten Netzhautmeridianen). [1961] [14p] 4refs.
Order from SLA $1.60 TT-61-14439

Trans. of [Albrecht von Graefe's] Arch[iv] f[ür] Ophthalm[ologie] (Germany) 1902, v. 54, p. 201-210.

Weinhold, M.
PARALLACTIC DISPLACEMENT AND APPARENT MOVEMENT IN THE COMPOSITE IMAGES OF BINOCULARLY FUSED HALF-IMAGES (Parallaktische Verschiebung und Scheinbewegung in Sammelbildern Binokular Verschmolzener Halb-bilder). [1961] [10p].
Order from SLA $1.10 TT-61-1444[illegible]

Trans. of [Albrecht von Graefe's] Arch[iv] f[ür] Ophthalm[ologie] (Germany) 1904, v. 59, p. 581-586.

Werner, Cl. F.
MORPHOLOGIC FOUNDATIONS OF THE STATIC LABYRINTHAL REFLEXES (Die Morphologischen Grundlagen der Statischen Labyrinthreflexe). [1961] [6p] 4refs.
Order from SLA $1.10 TT-61-1432[illegible]

Trans. of Pflügers Arch[iv] f[ür] d[ie] G[esamte] Physiol[ogie des Menschen und der Tiere] (Germany) 1937, v. 239, p. 290-292.

Will, Gerhardt.
CONCERNING THE SIZE AND SHAPE AND MOBILITY OF THE CUPULA IN THE INTERNAL EAR OF MAN (Über die Grösse, Form und Beweglichkeit der Cupula in den Bogengengangsampullen des Inneren Ohres des Menschen). [June 53] [25p] 36refs.
Order from SLA $2.60 TT-61-14646

Trans. of Zeitschrift für Laryngologie, Rhinologie, Otologie und Ihre Grenzgebiete (Germany) 1934, v. 25, no. 5, p. 293-304.

Biochemistry

Andreeva, N. A.
FLUOROMETRIC METHOD FOR THE DETERMINATION OF FOLIC ACID AND CERTAIN DATA ON ITS DISTRIBUTION [Flyuorometricheskii Metod Opredeleniya Folievoi Kisloty i Nekotorye Dannye o Ee Rasprostranenii] Zelda D. Knowles, tr. 19 Oct 54, 13p 5refs [PSC no.] 54-7.
Order from OTS, SLA, or ETC $1.60 TT-64-15581

Trans. of Biokhimiya (USSR) 1953, v. 18, no. 5, p. 571-575.
Another trans. is available from SLA as RT-2014, 13p.

Berezov, Yu. E., Stepanyan, E. P., and Lapin, M. D.
THE SIGNIFICANCE OF PROTEIN FRACTIONS IN THE DIFFERENTIAL DIAGNOSIS OF GASTRIC AND ESOPHAGEAL DISEASES (O Differentsial'no-Diagnosticheskom Znachenii Belkovykh Fraktsii Syvorotki Krovi pri Zabolevaniyakh Zheludka i Pishchevoda). [1964] [21p] (foreign text included) 14refs FASEB Ms no. S727-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15463

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 27, no. 8, p. 77-81.

Berezovskii, B. A. and Marchak, V. V.
SERUM SIALIC ACID CONCENTRATION OF ACTIVITY INDEX IN TUBERCULOSIS (Uroven' Sialovoi Kisloty Syvorotki Krovi kak Pokazatel' Aktivnosti Tuberkuleznogo Protsessa). [1964] [8p] (foreign text included) FASEB MS no. S751-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15464

Trans. of Klinicheskaya Meditsina (USSR) 1963. v. 41, no. 8, p. 126-128.

Boer, A. G., Niekerk, J. V., and Reerink, E. H.
PROCESS FOR PREPARATION OF CHICK PROVITAMIN CONCENTRATES FROM STEROL MIXTURES. 3p
Order from OTS, SLA, or ETC $1.10 TT-64-16628

Trans. of German patent 673.277, n.d.

Braunshtein, A. E. and Shemyakin, M. M.
THE THEORY OF THE PROCESSES OF AMINO-ACID EXCHANGE CATALYZED BY PYRIDOXAL ENZYMES [Teoriya Protsessov Aminokislotnogo Obmena, Kataliziruemykh Piridoksalevnymi Enzimami] Zelda D. Knowles, tr. 22 Jul 54, 54p 66refs [PSC no. 54-37].
Order from OTS, SLA, or ETC $5.60 TT-64-15577

Trans. of Biokhimiya (USSR) 1953, v. 18, no. 4, p. 393-411.
Another trans. is available from SLA as RT-1532, 54p.

Bredereck, H. and Richter, F.
PROCESS FOR THE PREPARATION OF NUCLEOSIDES. 2p
Order from OTS, SLA, or ETC $1.10 TT-64-16630

Trans. of German patent 693.416, n.d.

Bresler, S. E., Glikina, M. V., and Frenkel', S. Ya.
ENZYMATIC ACTIVITY OF LOW-MOLECULAR FRAGMENTS OF PROTEIN AND THE PROBLEM OF THE REACTIVE CENTER OF ENZYMES [Fermentativnaya Aktivnost' Nizkomolekulyarnykh Fragmentov Belka i Problema Reaktivnogo Tsentra Fermentov] Zelda Knowles, tr. 24 Nov 54, 9p 8refs [PSC no. 54-38]. TT-64-15576

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1954, v. 96, no. 3, p. 565-567.
Another trans. is available from SLA as RT-2231, 9p.

Efimochkina, E. F.
INFLUENCE OF PANTOTHENIC-ACID DEFICIENCY ON THE SYNTHESIS OF HIPPURIC ACID IN HOMOGENIZED RAT-LIVER TISSUE [Vliyanie Nedostatochnosti Pantotentovoi Kisloty na Sintez Gippurovykh Kislot v Gomogenizirovannoi Tkani Pecheni Krysy]
P. DePorte, tr. 22 Jul 54, 9p [PSC no. 54-83].
Order from OTS, SLA, or ETC $1.10 TT-64-15575

Partial trans. of Akademiya Nauk SSSR. Doklady, 1951, v. 80, no. 3, p. 405-408.
Another trans. is available from SLA as RT-1667, 9p.

Evstigneeva, Z. G. and Kretovich, V. L.
CONCERNING DIFFERENCE OF STRUCTURE AND CHEMICAL PROPERTIES OF ASPARAGINE AND GLUTAMINE [O Razlichii Stroeniya i Khimicheskikh Svoistv Asparagina i Glutamina]
Zelda D. Knowles, tr. 21 Jul 54, 9p. (figs omitted) 8refs [PSC no. 54-92].
Order from OTS, SLA, or ETC $1.10 TT-64-15574

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1953, v. 93, no. 6, p. 1069-1072.
Another trans. is available from SLA as RT-1597. 11p.

Iso, Kojiro and Watanabe, Itaru.
STUDY ON DESOXYPENTOSE NUCLEIC ACID OF HERRING SPERMATOZOA BY DIFFUSION MEASUREMENT. W. Himel, tr. 31 Mar 59, 15p 28refs
Order from OTS, SLA, or ETC $1.60 TT-59-14632

Trans. of [Nihon] Kagaku Zasshi (Japan) 1957, v. 78, no. 9, p. 1268-1272.

Kirsanova, V. A., Kraiko, E. A., Penar, O. I., Trufanov, A. V., and Yanovskaya, B. I.
BIOSYNTHESIS OF VITAMIN C IN CHICKS DEPENDING ON THE PRESENCE IN THE RATION OF FOLIC ACID OR ITS DERIVATIVES [Biosintez Vitamina C u Tsyplyat v Zavisimost ot Nalichiya v Ratsione Folievoi Kisloty ili Ee Proizvodnykh]
Zelda D. Knowles, tr. 19 Oct 54, 10p 2refs [PSC no. 54-155]
Order from OTS, SLA, or ETC $1.10 TT-64-15557

Trans. of Biokhimiya (USSR) 1953, v. 18, no. 3, p. 351-353.
Another trans. is available from SLA as RT-2013, 10p.

Kotel'nikova, A. V.
THE OBTAINING AND CERTAIN PROPERTIES OF PURIFIED PHOSPHOMUTASE OF ADP FROM MUSCLES [O Poluchenii i Nekotorykh Svoistvakh Ochishchennoi Fosfomutazy ADF iz Myshts]
Zelda D. Knowles, tr. 25 May 54, 23p (figs omitted) 5refs [PSC no. 54-171].
Order from OTS, SLA, or ETC $2.60 TT-64-15659

Trans. of Biokhimiya (USSR) 1953, v. 18, no. 5, p. 522-530.
Another trans. is available from SLA as RT-1639. 25p.

Leites, F. L.
ROLE OF LIPOLYTIC ENZYMES IN THE PATHOGENESIS AND PATHOLOGY OF ATHEROSCLEROSIS. [1964] [16p] 13refs FASEB Ms no.: S753-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15514
figs available on loan from OTS

Trans. of Akademiya Meditsinskikh Nauk SSSR. Vestnik, 1963, v. 18, no. 7, p. 37-42.
Another trans. is available from OTS $3.00 in TT-63-31829, JPRS-21228, 26 Sep 63, 167p.

Mashkov, A. V., Mikhailova, Z. M., and Levina, L. A.
DETERMINATION OF THE COMPONENTS OF THE COMPLEMENT IN HUMAN SERUM (Opredelenie Komponentov Komplementa v Syvorotke Cheloveka). [1964] [18p] 2refs FASEB Ms no.: S626-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15412

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 6, p. 84-91.

Nilova, N. S.
THE FREE AMINO ACID CONTENT OF THE CEREBRAL HEMISPHERES (Osoderzhanii Svobodnykh Aminokislot v Bol'shikh Polushariyakh Golovnogo Mozga) H. Warfield, tr. 5 May 64, 11p (figs omitted) 29refs NIH no. 5-4-64.
Order from OTS, SLA, or ETC $1.60 TT-64-15568

Trans. of Ukrayin[s'kyi] Biokhim[ichnyi] Zhurnal (USSR) 1963, v. 35, no. 2, p. 220-226.

Odintsova, M. S., Rakovskaya, M. V., and Sisakyan, N. M.
ACTIVITY OF SOME ENZYMES OF PHOSPHORUS METABOLISM IN CHLOROPLASTS ISOLATED IN A NON-AQUEOUS MEDIUM (Aktivnost' Nekotorykh Fermentov Fosfornogo Obmena v Khloroplastakh, Vydelennykh v Nevodnoi Srede). 13p (2 figs omitted) 27refs
Order from OTS, SLA, or ETC $1.60 TT-64-16650

Trans. of #Biokhimiya (USSR) 1963, v. 28, no. 4, p. 616-621.

Ogievetskaya-Pishchurina, M. M., Mikhailov, G. I., Kostnikova, N. M., and Kabanova, E. A.
THE USE OF FLUORESCEIN ISOTHIOCYANATE FOR LABELING ANTIBODIES (Opyt Primeneniya Izotiotsianata Fluorestseina dlya Metki Antitel). [1964] [13p] (foreign text included) 6refs FASEB Ms no.:S683-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15411

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 3, p. 441-444.

Pak, S. G.
CLINICAL SIGNIFICANCE OF ELECTROPHORETIC STUDIES OF SERUM PROTEINS AND LIPOPROTEINS FOLLOWING RECOVERY FROM INFECTIOUS HEPATITIS (Klinicheskoe Znachenie Elektroforeticheskogo Issledovaniya Belkov i Lipoproteidov Syvorotki Krovi u Lits, Perenesshikh Epidemicheskii Gepatit (Bolezn' Botkina). [1964] [18p] (foreign text included) 22refs FASEB Ms no. S763-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15465

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 6, p. 85-90.

Tikhonenko, A. S. and Poglazov, B. F.
LOCALIZATION OF ADENOSINE TRIPHOSPHATASE ACTIVITY IN THE STRUCTURAL ELEMENTS OF BACTERIOPHASE T2 Z. Knowles, tr. 15 Apr 64, 8p 10refs NIH no. 4-27-64.
Order from OTS, SLA, or ETC $1.10 TT-64-15573

Trans. of #Biokhimiya (USSR) 1963, v. 28, no. 2, p. 340-344.

Tolmach, D. V.
QUANTITATIVE VARIATIONS IN THE SODIUM, POTASSIUM, AND CALCIUM CONTENT OF GASTRIC JUICE IN CHRONIC GASTRITIS. [1964] [12p] 11refs FASEB Ms no.: S760-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15488

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 6, p. 46-50.

Yudaev, N. A., Smirnov, M. I., Pazina, P. G., nd Dobbert, N. N.
BIOCHEMICAL CHANGES IN MUSCLE AFTER ITS DENERVATION AND TENECTOMY AND AT THE INTERGROWTH IN IT OF NERVE FIBERS [Biokhimicheskie Izmeneniya v Myshtse Posle Ee Denervatsii i Tenektomii i pri Prorastanii v Nee Nervnykh Volokon] Zelda D. Knowles, tr. 19 Nov 54, 18p (figs omitted) 16refs [PSC no. 54-146].
Order from OTS, SLA, or ETC $1.60 TT-64-15559

Trans. of Biokhimiya (USSR) 1953, v. 18, no. 6, p. 732-738.
Another trans. is available from SLA as RT-2137, 20p.

Botany

Huber, Bruno and Schmidt, Eberhard.
A COMPENSATION METHOD FOR THE THERMOELECTRIC MEASUREMENT OF SLOW SAP MOVEMENTS (Eine Kompensationsmethode zur Thermoelektrischen Messung Langsamer Saftströme) [1964] [18]p 10refs
Order from SLA $1.60 TT-64-16015

Trans. of Deutsche Botanische Gesellschaft. Berichte (Germany) 1937, v. 55, no. 9, p. 514-529.

Nomoto, M., Masuko, F. and Ohashi, T.
ÉTUDE DE L'UTILISATION DE LA PROTEASE DE STREPTOMYCES GRISEUS. I. APPLICATION DE LA PROTEASE DE STREPTOMYCES GRISEUS A LA FABRICATION DU MISO (Utilization of Streptomyces Griseus Protease. I. Utilization of Streptomyces Griseus. Protease for Miso-Manufacture). 12p. 10refs. CNRS-XIII 56.
Order from OTS, ETC or CNRS $1.60 TT-63-26936

Trans. in French of Nihon Nogei Kagakkai Shi (Japan) 1960, v.34, p.430-433.

Sivolap, I.K.
IMPORTANCE DES FERMENTS DANS L'ÉCONOMIE NATIONALE (Effektivnost'Primeneniya Fermentnykh Preparatov v Narodnom Khozyaistve) (Importance of Ferments in the National Economy). 18p. (foreign text included) CNRS-XIII 49.
Order from OTS, ETC or CNRS $1.60 TT-63-26604

Trans. in French of Spirtovaya Promyshlennost' (USSR) 1960, v.26, no.7, p.27-31.

Medical Specialties and Equipment

Akulinichev, I. T., Babskii, E. B., Gel'shtein, G. G., Lakunin, B. B., and Moskalenko, G. V.
A CARDIOCYCLOGRAPH. 20 Mar 64, 11p
FTD-TT-63-1189; AD-600 123.
Order from OTS $0.50 TT-64-11653

Unedited rough draft trans. of mono. Elektronika v Meditsine [Electronics in Medicine] Moscow/Leningrad, 1960, p. 55-61.

Bielschowsky, A.
THE HETEROPHOROMETER: AN APPARATUS FOR TESTING HETEROPHORIA AT THE WORKING DISTANCE. [1961] 3p (fig omitted).
Order from SLA $1.10 TT-61-14120

[Partial] trans. of Kl[inische] M[onatsblätter] f[ür] Augenheilkunde] (Germany) 1911, v. 49, no. 12, p. 772-775.

Boegehold, H.
ON THE HISTORY OF THE BASIC POINTS OF SERIES OF LENSES (Zur Geschichte der Grundpunkte von Linsenfolgen). [1961] 11p.
Order from SLA $1.60 TT-61-14129

Trans. of Z[eitschrift] f[ür] Ophthalmol[ogische] Optik (Germany) 1921, v. 9, p. 161-170.

Bögehold, H.
CONCERNING MAGNIFICATION IN AMETROPIC EYES: AN ADDENDUM. [1961] [20p] 1ref
Order from SLA $1.60 TT-61-14125

Trans. of Z[eitschrift] f[ür] O[phthalmologische] O[ptik] (Germany) 1924, v. 12, p. 97-107.

Erggelet, H.
THE IMPORTANCE OF FICK'S CONTACT GLASSES FOR THE JUDGEMENT OF BINOCULAR VISION BY MEANS OF SPECTACLES (Die Bedeutung der Fickschen Kontaktgläser für die Beurteilung des Zweiäugigen Sehens durch Brillengläser). [1961] [19p] (foreign text included) 10refs.
Order from SLA $1.60 TT-61-14165

Trans. of Kl[inische] M[onatsblätter] f[ür] A[ugenheilkunde] (Germany) 1914, v. 53, p. 240-246.

Erggelet, H.
MODERN SPECTACLES FOR CORRECTING AMETROPIA (Über Neuzeitliche Gläsen zum Ausgleich der Fehlsichtigkeit). [1961] 18p (figs omitted).
Order from SLA $1.60 TT-61-14167

Trans. of Deut[sche] Med[izinische] W[ochen]-schr[ift] (Germany) 1924, v. 50, p. 944-945, 980-983.

Kachaev, V. L.
CONTRALATERAL SUDORAL REPERCUSSION PHENOMENA IN PERIPHERAL NERVE LESIONS (O Fenomene Perekrestnoi Potootdelitel'noi Reperkussii pri Ranenii Periphericheskikh Nervov). [1964] [12p] (foreign text included) 12refs FASEB Ms no.: S562-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15547

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1963, v. 63, no. 5, p. 693-695.

Nedden, M. zur.
THE INSTRUMENTATION FOR THE WITHDRAWAL OF THE VITREOUS HUMOR (Das Instrumentarium zur Glaskörperabsaugung). [1961] [5p].
Order from SLA $1.10 TT-61-14458

Trans. of Kl[inische] M[onatsblätter] f[ür] Augenh[eilkunde] (Germany) 1921, v. 66, p. 474-476.

Nedden, M. zur.
LANCE-SHAPED PLUNGERS FOR THE WITHDRAWAL OF THE VITREOUS HUMOR (Lanzenkanülen zur Glaskörperabsaugung). [1961] [3p] 1ref.
Order from SLA $1.10 TT-61-14457

Trans. of Kl[inische] M[onatsblätter] f[ür] Augenheilk[unde] (Germany) 1922, v. 69, p. 514-515.

Rijkens, R. G.
MY EXPERIENCES WITH THE ANISOMETROPIA SPECTACLES Meine Erfahrungen mit der Anisometropbrille). [1961] 5p 1ref.
Order from SLA $1.10 TT-61-14376

Trans. of Z[eitschrift] f[ür] O[phthalmologische] O[ptik] (Germany) 1916, v. 4, p. 146-149.

Rohr, M. v.
[CONCERNING THE DEVELOPMENT OF TELESCOPIC SPECTACLES, SUPPL. 1]. [1961] 3p (fig omitted).
Order from SLA $1.10 TT-61-14396

Trans. of Z[eitschrift] f[ür] O[phthalmologische] Opt[ik] (Germany) 1916, v. 3, p. 40-41.

Rohr, M. v.
CONCERNING THE DEVELOPMENT OF TELESCOPIC SPECTACLES, SUPPL. 2 [Pt. 1] [1961] [13p].
Order from SLA $1.60 TT-61-14388

Trans. of [Zeitschrift] f[ur] O[phthalmologische] O[ptik] (Germany) 1916, v. 3, p. 145-153.

Rohr, M. v.
CONCERNING THE DEVELOPMENT OF TELESCOPIC SPECTACLES, SUPPL. 2 (CONCLUSION) 1961, 3p 14refs.
Order from SLA $1.10 TT-61-14393

Trans. of Z[eitschrift] f[ür] O[phthalmologische] O[ptik] (Germany) 1916, v. 3, p. 161-162.
Another trans. is available from SLA as TT-61-14384, 3p.

Rohr, M. v.
CONCERNING THE DEVELOPMENT OF TELESCOPIC SPECTACLES, SUPPL. 3. [1961] 16p 14refs.
Order from SLA $1.60 TT-61-14394

Trans. of Z[eitschrift] f[ür] O[phthalmologische] O[ptik] (Germany) 1918, v. 6, p. 25-35.

Rohr, M. v.
CONCERNING THE DEVELOPMENT OF TELESCOPIC SPECTACLES, SUPPL. 4. [1961] 8p 10refs.
Order from SLA $1.10 TT-61-14385

Trans. of Z[eitschrift] f[ür] O[phthalmologische] O[ptik] (Germany) 1920/22, v. 8/10, p. 33-39.

Rohr, M. v.
CONCERNING THE DEVELOPMENT OF TELESCOPIC SPECTACLES, SUPPL. 5 [1961] 9p 5refs.
Order from SLA $1.10 TT-61-14397

Trans. of Z[eitschrift] f[ür] O[phthalmologische] Opt[ik] (Germany) 1925, v. 13, p. 8-14.

Rohr, M. v.
THE DEVELOPMENT OF TELESCOPIC SPECTACLES (Die Entwicklung der Fernrohrbrille). [1961] [25p] (refs omitted).
Order from SLA $2.60 TT-61-14386

Trans. of Z[eitschrift] f[ür] O[phthalmologische] Opt[ik] (Germany) 1916, v. 3, p. 1-17.

Rohr, M. v.
THE DEVELOPMENT OF TELESCOPIC SPECTACLES (CONCLUSION) (Die Entwicklung der Fernrohrbrille). [1961] 10p 30refs.
Order from SLA $1.10 TT-61-14383

Trans. of Z[eitschrift] f[ür] O[phthalmologische] O[ptik] (Germany) 1916, v. 3. p. 33-40.

Rohr, M. v.
ON THE DEVELOPMENT OF TELESCOPIC SPECTACLES, SUPPL. 2 [CONCLUSION]. [1961] 3p 14refs.
Order from SLA $1.10 TT-61-14384

Trans. of Z[eitschrift] f[ür] O[phthalmologische] O[ptik] (Germany) 1916, v. 3, p. 161-163.
Another trans. is available from SLA $1.10 as TT-61-14393, 3p.

Rössler, F.
ON THE APPLICATION OF THE COBALT LAMP (Zur Verwendung der Kobaltlampe). [1961] 7p (figs omitted).
Order from SLA $1.10 TT-61-14401

Trans. of D[eutsche] Ophth[almologische] Ges[ellschaft]. Ber[icht] (Germany) 1928, v. 47, p. 374-379.

Stranskii, Z.
AN ELECTROPHORESIS APPARATUS OF IMPROVED DESIGN (Uluchshennyi Tip Elektroforeticheskoi Kamery). [1964] [6p] FASEB Ms no.: S655-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15444

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1963, v. 9, no. 3, p. 301-303.

Streiff, J.
A READING MIRROR WITH MAGNIFIER FOR AMBLYOPES (Ein Lesespiegel mit Lupe für Schwachsichtige). [1961] 3p.
Order from SLA $1.10 TT-61-14413

Trans. of Kl[inische] M[onatsblätter f[ür] A[ugenheilkunde] (Germany) 1927, v. 79, p. 528-530.

Szily, A. von.
STEREOSCOPIC EXPERIMENTS WITH SKIAGRAPHS (Stereoskopische Versuche mit Schattenrissen). [1961] [16p] 1ref
Order from SLA $1.60 TT-61-14417

Trans. of [Albrecht von Graefe's] Arch[iv] f[ür] Ophthalm[ologie] (Germany) 1921, v. 105, p. 964-972.

Weiss, E.
THE PRISMATIC ERRORS OF SPECTACLE GLASSES (Die Prismatischen Fehler der Brillengläser). [1961] [12p] (foreign text included) 3refs.
Order from SLA $1.60 TT-61-14441

Trans. of D[eu]tsch[e] Ophthalm[ologische] Gesellsch [aft]. Ber[icht] (Germany) 1922, no. 43, p. 101-106.

Microbiology

Bel'tyukova, K. G. and Matishevs'ka, M. S.
EFFECT OF GIBBERELLIN ON PLANT RESISTANCE TO DISEASE (Vplyv Giverelinu na Stiyikist' Roslin o Zakhvoryuvan'). [1964] [18p] 5refs FASEB Ms no.: S826-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15451
Trans. of Mikrobiologichnyi Zhurnal (USSR) 1963, v. 25, no. 3, p. 64-70.

Bukharin, O. V.
THE MECHANISM OF ACTION OF VITAMIN B_{12} IN THE TREATMENT OF SKIN DISEASES (O Mekhanizme Deistviya Vitamina B_{12} pri Lechenii Kozhnykh Boleznei). [1964] [14p] (foreign text included) 25refs FASEB Ms no.: S698-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15484

Trans. of Vestnik Dermatologii i Venerologii (USSR) 1962 [v. 36] no. 10, p. 49-53.

Bulatova, T. I.
THE NONSPECIFICITY OF INDIRECT HEMAGGLUTINATION REACTION IN BOTULIN DETECTION IN FOOD (Nespetsifichnost' Reaktsii Nepryamoi Gemagglyutinatsii pri Obnaruzhenii Botulinicheskikh Toksinov v Pishchevykh Produktakh). 6 May 64, 7p 6refs Trans. V-1917.
Order from OTS, SLA, or ETC $1.10 TT-64-15670

Trans. of #Zhurnal Mikrogiologii, Epidemiologii i Immunobiologii (USSR) 1964, v. 41, no. 1, p. 96-101.

Chernos, V. I. and Gendon, Yu. Z.
REACTIVATION OF DNA- AND RNA-CONTAINING VIRUSES (Izuchenie Reaktivatsii DNK- i RNK Soderzhatsikh Virusov). [1964] [20p] (foreign text included) 9refs FASEB Ms no.:S800-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15471

Trans. of #Voprosy Virusologii (USSR) 1963 [v. 8] no. 3, p. 268-275.

Desyatskova, R. G. and Andzhanaridze, O. G.
PLAQUES FORMING IN KIDNEY TISSUE CULTURE OF SWINE EMBRYO INFECTED WITH TICK-BORNE ENCEPHALITIS VIRUS RNA (Blyashki Obrazuyushchiesya v Kul'ture Kletok Pochki Embriona Svin'i, Zarazhennoi RNK Virusa Kleshchevogo Entsefalita). [1964] [9p] (foreign text included) 11refs FASEB Ms no.:S806-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15474

Trans. of #Voprosy Virusologii (USSR) 1963 [v. 8] no. 4, p. 398-399.

Gol'dfarb, M. L., Gol'dfarb, D. M., Prozorovskii, S. V., and Sobolev, V. M.
AUTOMATIC RECORDING OF GROWTH AND REPRODUCTION PROCESSES IN MICROORGANISMS (Avtomaticheskaya Registratsiya Protsessov Rosta i Razmnozheniya Mikroorganizmov). [1964] [20p] (foreign text included) FASEB Ms no.: S691-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15408

Trans. of Laboratornoe Delo (USSR) 1962, v. 8, no. 12, p. 41-45.

Golysheva, M. G., Zhdanovich, E. S., and Liber, L. I.
MICROBIOLOGICAL PREPARATION OF FLAVIN ADENINE DINUCLEOTIDE BY MEANS OF AN EREMOTHECIUM ASHBYII CULTURE (Poluchenie Flavinadenindinukleotida Mikrobiologicheskim Metodom s Pomoshch'yu Kul'tury Eremothecium Ashbyii). [1964] [8p] (foreign text included) 7refs FASEB Ms no.: S863-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15480

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1963, v. 9, no. 4, p. 371-373.

Ivanova, L. G., Sergeeva, T. I., and Ploskirev, N. V.
DRY AKZH (AUTOLYSATE OF SPRAT, GELATIN) MEDIUM FOR THE DIAGNOSIS OF FOOD POISONINGS CAUSED BY CL. BOTULINUM AND PERFRINGENS (Sukhaya Sreda AKZH dlya Diagnostiki Pishchevykh Otravlenii, Vyzvannykh Cl. Botulinum i Perfringens). 1 May 64, 4p 5 refs Trans. V-1914.
Order from OTS, SLA, or ETC $1.10 TT-64-15665

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 11, p. 111-114.

Kamalov, G. Kh.
ADAPTATION OF AUJESZKY VIRUS TO GUINEA PIGS AND ALBINO MICE UNDER THE INFLUENCE OF CORTISONE (Adaptatsiya Virusa Aueski k Morskim Svinkam i Belym Mysham pod Vliyaniem Kortizona). [1964] [14p] (foreign text included) 6refs FASEB Ms no.: S796-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15443

Trans. of Veterinariya (USSR) 1963, v. 40, no. 3, p. 73-76.

Kosyakov, P. N., Gruzdeva, N. M., and Berdinskikh, M. S.
THERAPEUTIC EFFECTS OF SPECIFIC ANTIBODIES AND INHIBITORS IN INFLUENZAL INFECTION (K Voprosu o Lechebnom Deistvii Spetsificheskikh Antitel i Ingibitorov na Grippoznuyu Infektsiyu). [1964] [19p] (foreign text included) 18refs FASEB Ms no.:S802-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15472

Trans. of #Voprosy Virusologii (USSR) 1963 [v. 8] no. 3, p. 301-307.

Kratokhvil', N. I.
CASE OF THE ISOLATION OF THE CAUSATIVE AGENT OF ERYSIPELOID FROM SEXUALLY MATURE IXODES RICINUS TICKS (Sluchai Vydeleniya Vozbuditelya Erizipeloida ot Polovozrelykh Kleshchei Ixodes Ricinus) Zelda Knowles, tr. 9 Sep 54, 6p [PSC no. 54-175].
Order from OTS, SLA, or ETC $1.10 TT-64-15661

Trans. of Zhurnal Mikrobiol[ogii] Epidemiol[ogii] i Immunobiologii (USSR) 1954 [v. 25] no. 3, p. 61-63. Another trans. is available from SLA as RT-3091, 5p.

Manev, Kh. A.
REASONS FOR THE SEASONAL NATURE OF DROPLET INFECTIONS (Prichiny Sezonnosti Kapel'nykh Infektsii). [1964] [25p] (foreign text included) 7refs FASEB Ms no.:S837-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15479

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 9, p. 73-78.

Mel'nik, E. G. and Mikhailova, Yu. M.
BACILLARY EXCRETION IN FOOD TOXINFECTIONS OF SALMONELLA ETIOLOGY (O Bakteriovydelenii pri Pishchevykh Toksikoinfektsiyakh Salmonellezno Etiologii). [1964] [15p] (foreign text included) FASEB Ms no.: S624-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15482

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 6, p. 45-48.

Nikitin, S. A. and Artemenko, V. D.
PROTOZOA IN THE BLOOD OF VERTEBRATES IN SOUTHERN UKRAINE
H. Norris, tr. 18 Dec 45, 2p
Order from OTS, SLA, or ETC $1.10 TT-60-19286

Summary trans. of [Tropicheskaya Meditsina i Veterinariya] (USSR) 1927, v. 5, p. 654-663.

Podolyan, V. Ya., Milyutin, V. N., Gudima, O. S., and Lukina, R. N.
L-TRANSFORMATION OF VIRUSES AND RICKETTSIAS IN TISSUE CULTURE. REPT. I. L-TRANSFORMATION OF THE PSITTACOSIS VIRUS
Z. Knowles, tr. 16 Apr 64, 7p 12refs NIH no. 4-32-64.
Order from OTS, SLA, or ETC $1.10 TT-64-15572

Trans. of #Voprosy Virusologii (USSR) 1963 [v. 8] no. 1, p. 24-27.

Popova, O. M. and Berezine, O. N.
THE EFFECT OF PRELIMINARY ROENTGEN IRRADIATION ON THE SUSCEPTIBILITY OF WHITE MICE TO THE ORNITHOSIS VIRUS UPON INFECTION WITH AN AEROSOL OF THE VIRUS.
21 May 64, 7p 5refs JPRS: 24696.
Order from OTS $0.50 TT-64-31299

Trans. of #Voprosy Virusologii (USSR) 1963 [v. 8] no. 2, p. 213-216.

Pospelova-Shtrom, M. V.
THE IXODOIDEA TICK HAEMAPHYSALIS WARBURTONI NUTT. IN THE MOUNTAINS OF KIRGIZIA. [1964] 4p (figs omitted) 4refs NAMRU Trans. 100(T100).
Order from OTS, SLA, or ETC $1.10 TT-64-15633
P I C

Trans. of Akad[emiya] Nauk Kazakh[skoi] SSR [Alma-Ata]. Izvest[iya]. Ser[iya] Parazit[ologicheskaya] 1949, v. 7[74] p. 60-65.

Romantsova, V. Ya.
DEGREE OF HEREDITARY CONSOLIDATION OF TRANSFORMANTS OF AGGLUTINABLE PROPERTIES ACQUIRED ON ASSIMILATION OF HETEROGENOUS DNK (Stupin'Spadkovogo Zakriplennya u Transformantiv Aglyutiyayl'nikh Vlastivostei, Nabutikh pri Asimilyatsii Chuzhoridnoi DNK). [1964] [12p] (foreign text included) 7refs FASEB Ms no: S688-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15410

Trans. of Mikrobiologichnyi Zhurnal (USSR) 1962, v. 24, no. 5, p. 20-25.

Serdyukova, G. V.
LOCAL MASS REPRODUCTION OF TICKS HYALOMMA ANATOLICUM ANATOLICUM KOCH IN TADZHIKISTAN AND THEIR CAUSES. [1964] 4p 2refs NAMRU Trans. 39 (T39).
Order from OTS, SLA, or ETC $1.10 TT-64-15617
P I C

Trans. of [Akademiya Nauk SSSR. Tadzhikskii Filial, Stalinabad. Izvestiya] 1945, v. 6, p. 60-63.

Taros, L. Yu.
DIRECT ISOLATION OF MEASLES VIRUS ON SINGLE-LAYER CULTURES OF GUINEA-PIG RENAL TISSUE AND CHICK EMBRYO FIBROBLASTS. [1964] [18p] 10refs FASEB Ms no.:S803-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15473

Trans. of #Voprosy Virusologii (USSR) 1963 [v. 8] no. 3, p. 316-321.

Teodorovish, Gr., Oane, K., Georgyu, M., Petroaie, O., and Ivan, A.
CARRIERS OF ANTIBIOTIC-RESISTANT STAPHYLOCOCCI IN DIFFERENT CATEGORIES OF THE POPULATION (Nositel'stvo Ustoichivykh k Antibiotikam Stafilokkov v Razlichnykh Kategoriyakh Nasileniya). [1964] [26p] 18refs FASEB Ms no.: S551-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15413

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 5, p. 133-137.

Tikhonenko, T. I.
POSSIBILITIES FOR CHEMICAL EVOLUTION OF VIRUSES AND NUCLEIC ACIDS (Vozmozhnye Puti Khimicheskoi Evolyutsii Virusov i Nuklennovykh Kislot). [1964] [26p] (foreign text included) 28refs FASEB Ms no.: S603-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15541

Trans. of Akademiya Meditsinskikh Nauk SSSR. Vestnik 1963, v. 18, no. 5, p. 55-60.
Another trans. is available from OTS $2.75 in TT-63-31501, JPRS-20590, 129p.

Tsou, Yu-shen, Chao, Chih-hai, and Wang, Mai
ISOLATION OF PLAGUE BACILLUS (PASTEURELIA PESTIS) FROM HAEMPHYSALIS AND DERMACENTOR TICKS. [1964] 5p 4refs NAMRU Trans. 59(T59).
Order from OTS, SLA, or ETC $1.10 TT-64-15622

Trans. of Wei Sheng Wu Hsüeh Pao (Chinese People's Republic) 1959, v. 7, no. 3, p. 205-208.
Another trans. is available from OTS, SLA, or ETC $4.60 in TT-60-41148, JPRS-5264, 10 Aug 60, 41p.

Zaglukhinskaya, E. N.
INTERACTION OF H. PERTUSSIS AND TISSUE CULTURES (O Vzaimodeistvii Vozbudelelya Koklyusha i Tkanevykh Kul'tur). [1964] [15p] (foreign text included) FASEB Ms no.: S836-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15478
figs available on loan from OTS

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 9, p. 49-52.

Zil'ber, L. A.
ROLE OF VIRUSES IN THE ORIGIN OF CANCER (O Roli Virusov v Proiskhozhdenii Raka). [1964] [51p] (foreign text included) 53refs FASEB Ms no. S792-3.
Order from OTS, SLA, or ETC $5.60 TT-64-15542

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 2, p. 167-179.
Another trans. is available from OTS $2.25 in TT-63-21988, JPRS-19571, 5 Jun 63, 92p.

Pathology

Adigezalova-Polchaeva, K. A.
DISTURBANCE OF THE ADAPTIVE FUNCTION OF ACCOMODATION IN VARIOUS FORMS OF ASTIGMATISM (Napushenie Prisposablivayushchei Funktsii Akkomodatsii pri Razlichnykh Vidakh Astigmatizma). [1964] [14p] 7refs FASEB Ms no.: S743-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15549

Trans. of Vestnik Oftal'mologii (USSR) 1963, v. 76, no. 3, p. 32-37.

Andreeva, N. E.
INTRACELLULAR CRYSTALLOIDAL INCLUSIONS IN MULTIPLE MYELOMA (Vnutrikletochnye Kristalloidnye Vklyucheniya pri Mielomnoi Bolezni). [1964] [13p] 22refs FASEB Ms no. S723-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15462
figs available on loan from OTS

Trans. of #Problemy Genatologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 8, p. 46-49.

Barskii, B. I.
PATHOGENESIS, CLINIC, AND TREATMENT OF A LINGERING FORM OF BOTKIN'S DISEASE: EPIDEMIC HEPATITIS [O Patogeneze, Kliniki i Terapii Zatyazhnoi Formy Bolezni Botkina: Epidemicheskogo Gepatita] 7 Dec 54, 17p (refs omitted) [PSC no. 54-17].
Order from OTS, SLA, or ETC $1.60 TT-64-15579

Trans. of Klin[icheskaya] Med[itsina] (USSR) 1951, v. 29, no. 7, p. 60-65.
Another trans. is available from SLA as RT-2230, 17p.

Bergol'ts, V. M.
NEW HIGHLY ACTIVE CANCEROGENIC SUBSTANCES [Novye Vysokoaktivnye Kantserogennye Veshchestva] Zelda D. Knowles, tr. 21 May 54, 8p 7refs [PSC no. 54-23].
Order from OTS, SLA, or ETC $1.10 TT-64-15578

Trans of Uspekhi Sovremennoi Biologii (USSR) 1953, v. 36, no. 5, p. 278-280.
Another trans. is available from SLA as RT-1200, 7p.

Bono, F. P. de.
HYSTERICAL MACROPSIA (SUGGESTIONS IN THE WAKING STATE): CURE (Macropsia Isterica-Suggestione in Veglia-Guarigione). [1961] 10p.
Order from SLA $1.10 TT-61-14130

Trans. of Archivio di Ottalmologia (Italy) 1896, v. 4, p. 397-405.

Borodin, Yu. P.
PENICILLIN ANTIBODIES (Ob Antitelakh k Penitsillinu). [1964] [19p] (foreign text included) 8refs FASEB Ms no.:S726-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15407

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 27, no. 7, p. 74-78.
Another trans. is available from OTS $0.50 as TT-63-31832, JPRS-21234, 27 Sep 63, 8p.

Borod'ko, S. L. and Samsonovich, L. G.
THE DURATION OF IMMUNITY FOLLOWING SIMULTANEOUS SKIN VACCINATION AGAINST PLAGUE, TULAREMIA AND BRUCELLOSIS (Dlitel'nost' Immuniteta u Lits Privitykh Nakozhno Odnovremenno Protiv Chumy, Tulyaremii i Brutsellieza). 1 May 64, 7p 8refs Trans. V-1910.
Order from OTS, SLA, or ETC $1.10 TT-64-15667

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 10, p. 70-74.

Britov, A. N.
SIGNIFICANCE OF CERTAIN INDICES OF PROTEIN AND FAT METABOLISM IN DIFFERENTIAL DIAGNOSIS OF CORONARY INSUFFICIENCY (Znachenie Nekotorykh Pokazatelei Belkovogo i Lipidnogo Obmena dlya Differentsial'noi Diagnostiki Razlichnykh Form Koronarnoi Nedostatochnosti). [1964] [25p] (foreign text included) 29refs FASEB Ms no.: S 586-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15526

Trans. of Terapevticheskii Arkiv (USSR) 1963, v. 35, no. 5, p. 21-28.

Brunner, Hans.
CONCERNING THE COMBINATION OF THE DISEASES OF THE LABYRINTHAL NERVE AND THE RECURRENT (LARYNGEAL) NERVE WHICH ARE CAUSED CENTRALLY (Über die Kombination von Zentral Bedington Erkrankungen des Nervus Labyrinthicus und des Nervus Recurrens). [1961] [22p] 15refs.
Order from SLA $2.60 TT-61-14305

Trans. of Arch[iv] f[ür] Psychiatr[ie und Nervenkrankheiten] (Germany) 1932, v. 97, p. 644-659.

Burov, Yu. V, and Chernov, V. A.
INFLUENCE OF GANGLION-BLOCKING AGENTS UPON THE GROWTH OF TRANSPLANTABLE TUMORS IN ANIMALS (Vliyanie Gangliobloklruyushchikh Veshchestv na Rost Perevivnykh Opukholei u Zhivotnykh). [1964] [14p] (foreign text included 7refs FASEB Ms no. S854-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15468

Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 4, p. 452-454.

Buu-Hoi, N. P.
RECENT ANTILEPROUS CHEMICAL AGENTS OTHER THAN SULFONES (Les Médications Chimiques Antilépreuses Récentes Autres que les Sulfones) P. Hajdu, tr. 19 Jan 60, 26p (4 figs. refs. omitted) NIH no. 1-13a-60.
Order from OTS, SLA, or ETC $2.60 TT-60-15088

Trans. of Maroc-Médical (French Morocco) 1957 [v. 36] no. 390, p. 1084-[1096].

Chumakov, M. P.
RESULTS OF A STUDY MADE OF OMSK HEMORRAGIC FEVER (OL) BY AN EXPEDITION OF THE INSTITUTE OF NEUROLOGY. [1964] 12p NAMRU Trans. 81 (T81).
Order from OTS, SLA, or ETC $1.60 TT-64-15651

Trans. of Akad[emiya] Med[itsinskikh] Nauk SSSR. Vestnik, 1948, v. 2, p. 19-26.

Chumakov, M. P., Petrova, S. P., and Sondak, V. A.
STUDY OF ULTRAVIRUS ENCEPHALITIS. VII. ARTIFICIAL ADAPTATION OF THE VIRUS OF TICK AND JAPANESE ENCEPHALITIS TO VARIOUS SPECIES OF TICKS OF THE FAMILY IXODIDAE. [1964] 7p 5refs NAMRU Trans. 34(T34).
Order from OTS, SLA, or ETC $1.10 TT-64-15615

Trans. of Med[itsinskaya] Parazit[ologiya i]Parazit [arnye] Bolezni (USSR) 1945, v. 14, no. 1, p. 18-24.

Ciuta, D.
INFORMATION ON THE INSTITUTE OF PHTHISIOLOGY, 29 May 64, 3p JPRS: 24850.
Order from OTS $0.50 TT-64-31374

Trans. from Muncitorul Sanitar (Rumania) 1964 [v. 15, no. 722] 4 Apr, p. 1.

Emel'yanova, O. S., Ravdonikas, O. V., Egorova, L. S., Panina, N. V., and Pilipenko, V. G.
APPROBATION OF THE IMPROVED TULAREMIA DIAGNOSTICUM (Aprobatsiya Usovershenstvovannogo Tulyaremiinogo Diagnostikuma). 5 May 64, 9p 2refs Trans. V-1911.
Order from OTS, SLA, or ETC $1.10 TT-64-15668

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 10, p. 85-92.

Fel'dman, M. Ya.
THE CHEMICAL BASIS OF THE PREPARATION OF FORMALIZED VIRUS VACCINES (Khimicheskie Osnovy Polucheniya Virusnykh Formalinizirovannykh Vaktsin). [1964] [26p] (foreign text included) 24refs FASEB Ms no.: S646-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15540

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1963, v. 9, no. 3, p. 232-239.

Fischler, F.
EARLY- AND WRONG DIAGNOSES (ON EARLY DIAGNOSES OF THE LIVER) (Früh- und Fehldiagnosen. Über Frühdiagnosen der Lebererkrankungen). [1961] [32p] (foreign text included) 2refs.
Order from SLA $3.60 TT-61-14184

Trans. of Deutsche Medizinische Wochenschrift (Germany) 1934 [v. 60] no. 31, p. 1167-1173.

Gel'shtein, V. I.
ON PRECANCEROUS CHANGES OF THE LIVER EXPERIMENTALLY INDUCED BY ORTHO-AMINO-AZOTOLUENE Zelda D. Knowles, tr. 21 Apr 54, 21p (figs omitted) 14refs [PSC no. 54-112].
Order from OTS, SLA, or ETC $2.60 TT-64-15563

Trans. of Arkhiv Patologii (USSR) 1953, v. 15, no. 5, p. 58-66.

Georgiev, G. P. and Lerman, M. I.
THE METABOLIC HETEROGENEITY OF MESSENGER RNA FROM EHRLICH ASCITES CARCINOMA CELLS (Metabolicheskaya Geterogennost' Informatsionnoi RNK iz Kletok Astsitnogo Raka Erlikha). [1964] [9p] (foreign text included) 4refs FASEB Ms. no.: S637-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15461

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1963, v. 9, no. 2, p. 218-220.

Ginsburg, N. N. and Fedotova, Yu. M.
A COMPARATIVE STUDY OF VACCINE AND VIRULENT ANTHRAX STRAINS IN TISSUE CULTURES OF THE HUMAN EMBRYO (Sravnitel'noe Izuchenie Vaktsionnogo i Virulentnogo Sibireyazvennogo Shtammov v Kul'ture Tkanei Embriona Cheloveka). [1964] 6p 5refs Trans. V-1913.
Order from OTS, SLA, or ETC $1.10 TT-64-15671

Trans. of #Zhurnal Mikrobiologii, Epidemiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 11, p. 3-7.

Ginzburg, D. A.
ELECTROENCEPHALOGRAPHIC CHANGES IN SILICOSIS (K Funktsional'noi Kharakteristike Tsentral'noi Nervnoi Sistemy u Bol'nykh Silikozom (po Dannym Elektroentsefalografii)). [1964] [17p] (foreign text included) 16refs FASEB Ms no.:S773-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15553

Trans. of Gigiena Truda i Professional'nye Zabolevaniya (USSR) 1963 [v. 7] no. 7, p. 35-40.

Gramenitskii, E. M.
INTRA-VITAM STAINING OF CELLS AND TISSUES UNDER NORMAL AND PATHOLOGICAL CONDITIONS. CONCLUSION AND TABLE OF CONTENTS.
22 May 64, 5p JPRS: 24718.
Order from OTS $0.50 TT-64-31309

Trans. of mono. Prizhiznennaya Okraska Kletok i Tkanei v Norme i Patologii, Leningrad, 1963, p. 130-132.

Grobov, A. G.
ON THE QUESTION OF VECTORS OF CRIMEAN HEMORRHAGIC FEVER. [1964] 6p 3refs NAMRU Trans. 36(T36).
Order from OTS, SLA, or ETC $1.10 TT-64-15614

Trans. of Med[itsinskaya] Parazit[ologiya i]Parazit[arnye] Bolezni (USSR) 1946, v. 15, no. 6, p. 59-63.

Guliev, R. R.
AN OSCILLOGRAPHIC STUDY OF VASCULAR TONUS AND ARTERIAL PRESSURE IN PATIENTS WITH OSTEO-ARTICULAR TUBERCULOSIS (Sostoyanie Sosudistogo Tonusa i Arterial'nogo Davleniya po Dannym Ostsillografii u Bol'nykh Kostno-Sustavnym Tuberkulezom) [1964] [38p] (foreign text included) 20refs FASEB Ms no.: S 737-3.
Order from OTS, SLA, or ETC $3.60 TT-64-15530

Trans. of Akademiya Nauk Azerbaidzhanskoi SSR [Baku]. Izvestiya. Seriya Biologicheskikh i Meditsinskikh Nauk, 1963, no. 2, p. 117-126.

Heilbronner, Karl.
ON MICROPIA AND RELATED CONDITIONS (Über Mikropsie und Verwandte Zustande). [1961] 23p (foreign text included) 10refs.
Order from SLA $2.60 TT-61-14211

Trans. of Deutsche Zeitschrift für Nervenheilkunde (Germany) 1904, v. 27, p. 414-423.

Hering, Ewald.
HERING'S SPEECH OF ACCEPTANCE FOR HIS SERVICES TO OPHTHALMOLOGY. [1961] 8p.
Order from SLA $1.10 TT-61-14220

Trans. of a speech (rejoinder) from the 38th Meeting of the Ophthalm. Soc., Heidelberg, 1906.

Jannes, Jouni.
ON THE BIOSYNTHESIS OF NICOTINIC ACID IN THE INTESTINE. [1964] 11p
Order from K-H $6.60 K-H 1305

Trans. of Annales Medicinae Internae Fenniae (Finland) 1947, v. 36, p. 516-522.

Kagan, F. S.
RESULTS OF THE MEASUREMENTS OF THE BLOOD PRESSURE OF WOMEN WORKERS OF THE FIRST STATE TOBACCO FACTORY OF THE CITY OF ODESSA. [1964] 9p
Order from K-H $5.40 K-H 1084 c

Trans. of [Okhrana Truda] (USSR) 1928, v. 2, p. 44-47.

Khanin, M. N.
EXPERIMENTAL HEPATITIS AND CIRRHOSIS OF THE LIVER [Eksperimental'nyi Gepatit i Tsirroz Pecheni] Zelda D. Knowles, tr. 18 Oct 54, 21p 21refs [PSC no. 54-154].
Order from OTS, SLA, or ETC $2.60 TT-64-15556

Trans. of Ter[apevticheskii] Arkh[iv] (USSR) 1953, v. 25, no. 6, p. 12-24.
Another trans. is available from SLA as RT-1993, 26p.

Klembovskii, A. I.
ELECTRON MICROSCOPIC STUDY OF THE INITIAL STAGES OF EXPERIMENTAL ATHEROSCLEROSIS OF THE AORTA IN RABBITS (Elektronnomikroskopicheskoe Izuchenie Nachal'nykh Stadii Eksperimental'nogo Ateroskleroza Aorty Krolikov). [1964] [29p] (foreign text included) 23refs FASEB Manuscript no.: S746-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15513
figs available on loan from OTS

Trans. of Kardiologiya (USSR) 1963, v. 3, no. 4, p. 31-39.

Krusanova, N. I. and Krasovskaya, A. I.
SERUM ALDOLASE ACTIVITY IN CANCER PATIENTS (Aktivnost' Al'dolazy Syvorotki u Opukholevykh Bol'nykh). [1964] [26p] 11refs FASEB Ms no. S875-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15469

Trans. of #Voprosy Onkologii (USSR) 1963, v. 9, no. 9, p. 9-14.

Kulagin, S. M. and Kudelina, R. I.
AN EXPERIMENTAL STUDY OF THE PATHOGEN OF THE ROCKY MOUNTAIN SPOTTED FEVER (Eksperimental'noe Izuchenie Vozbuditelya Pyatnistoi Likhoradki Skalistykh Gor). 4 May 64, 6p
Trans. V-1912.
Order from OTS, SLA, or ETC $1.10 TT-64-15666

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 10, p. 92-96.

Leont'ev, A. I.
AN ACCELERATED METHOD OF DIAGNOSIS OF TULAREMIA PATHOGEN IN THE CORPSES OF RODENTS: ANNOTATION (Uskorennyi Metod Diagnostiki Vozbuditelya Tulyaremii v Trupakh Gryzunov: Annotatsiya). 4 May 64, 2p Trans. V-1916.
Order from OTS, SLA, or ETC $1.10 TT-64-15663

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 11, p. 146.

Löwenstein, Arnold.
ON THE CORRECTION OF UNILATERAL APHAKIA BY MEANS OF V. ROHR'S ANISOMETROPIA SPECTACLES (Über die Korrection Einseitiger Apkakie durch die Rohr'sche Anisometropbrille). [1961] 4p 3refs
Order from SLA $1.10 TT-61-14293

Trans. of Z[eitschrift] f[ür] Op[hthalmologische] Opt[ik] (Germany) 1913, v. 1, p. 97-99.

Magomedova, M. O.
THE EFFECT OF CHRONIC ALCOHOLISM ON THE DEVELOPMENT OF ATHEROSCLEROSIS (O Vliyanii Khronicheskogo Alkogolizma na Razvitie Ateroskleroza). [1964] [37p] (foreign text included) 57refs FASEB Ms no.: S766-3.
Order from OTS, SLA, or ETC $3.60 TT-64-15531

Trans. of Terapevticheskii Archiv (USSR) 1963, v. 35, no. 8, p. 93-99.

Mairanovskaya, E. F. and Gorodilova, V. V.
A COMPARATIVE INVESTIGATION OF THE BLOOD SERUM OF LUNG CANCER PATIENTS BY POLAROGRAPHIC AND IMMUNOLOGICAL METHODS (Sravnitel'noe Issledovanie Syvorotki Krovi Bol'nykh Rakom Legkogo Polyarograficheskim i Immunologicheskim Metodami). [1964] [20p) (foreign text included) 8refs FASEB Ms no.:S876-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15470

Trans. of #Voprosy Onkologii (USSR) 1963, v. 9, no. 9, p. 14-18.

Maslova, A. N.
FLUCTUATIONS OF THE NUMBER OF BLOOD PLATELETS AND THE RATE OF COAGULATION OF THE BLOOD IN MALERIA
P. DePorte, tr. 28 Apr 64, 11p 16refs
NIH no. 4-41-64.
Order from OTS, SLA, or ETC $1.60 TT-64-15570

Trans. of [Tropicheskaya Meditsina i Veterinariya] (USSR) 1924 [v. 2] no. 3, p. 7-14.

Maslova, L. P.
ELECTRONMICROSCOPIC INVESTIGATION OF THE PALPEBRAL CONJUNCTIVAL EPITHELIUM IN TRACHOMA (Izuchenie Epiteliya Kon"yunktivy Vek pri Trakhome s Pomoshch'yu Elektronnogo Mikroskopa). [1964] [23p] (foreign text included) 19refs FASEB Ms no: S 742-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15550

Trans. of Vestnik Oftal'mologii (USSR) 1963, v. 76, no. 3, p. 17-22.

Meshalova, A. N., Beilinson, A. V., Shakhanina, K. L., and Fryazinova, I. B.
CHANGES IN THE FRACTIONAL COMPOSITION OF SERUM GLOBULINS AND LYMPH NODE EXTRACTS UNDER THE INFLUENCE OF IMMUNIZATION AND CORTISONE, I. (Izmenenie Fraktsionnogo Sostava Globulinoi Syvorotok i Ekstraktov Limfaticheskikh Uzlov pod Vliyaniem Immunizatsii i Kortizona, Soobshchenie 1). [1964] [20p] 17refs FASEB Ms no.: S829-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15477

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 7, p. 55-60.

Naddachina, T. A. and Smol'yannikov, A. V.
TYPES OF CARDIAC BLOOD SUPPLY AND MODIFICATIONS IN CONNECTION WITH AGE AND IN PATHOLOGIC STATES (K Sostoyaniyu Voprosa o Tipakh Krovosnabzheniya Sendtsa, Ikh Izmeneniyakh v Razlichnye Vozrastnye Periody i v Usloviyakh Patologii). [1964] [39p] (foreign text included) 20refs FASEB Manuscript no.: S 717-3.
Order from OTS, SLA, or ETC $3.60 TT-64-15511
figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 45, no. 8, p. 44-54.

Nikol'skii, A. V.
PATHOLOGICAL CHANGES IN CONJUGATE MOVEMENTS OF UPPER EYELID AND PUPIL IN OCULOMOTOR NERVE INVOLVEMENT (O Patologii Sodruzhestvennykh Dvizhenij Verkhnego Veka i Zrachka pri Porazhenii Glazodvigatel'nogo Nerva). [1964] [11p] (foreign text included) 11refs
FASEB Ms no. S561-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15502
figs available on loan from OTS

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1963, v. 63, no. 5, p. 690-692.

Ol'gina, F. P.
BLOOD ZINC CONCENTRATION EXCRETION IN BOTKIN'S DISEASE (INFECTIOUS HEPATITIS) (Soderzhanie Tsinka v Krovi i Vyvedenie Ego iz Organizma pri Bolezni Botkina). [1964] [13p] (foreign text included) 6refs FASEB Ms no. S749-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15450

Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 7, p. 23-27.

Pellerat, J. and Coudert, J.
GLASS WOOL DERMATITIS. [1964] [7p] 4refs
Order from SLA $1.10 TT-64-16221

Trans. of Arch[ives des] Maladies Profess[ionnelles de Médecine du Travail et de Securité Sociale] (France) 1946, v. 7, p. 23-27.

Pervomaiskii, G. S.
CONCERNING THE SPREAD OF PARASITES OF PASTURE TICKS AT THE SITE OF TICK ENCEPHALITIS [O Rasprostranenii Parazitov Pastbishchnykh Kleshchei v Ochage Kleshchevogo Entsefalita]. [1964] 5p (figs omitted) 6refs NAMRU Trans. 70(T70).
Order from OTS, SLA, or ETC $1.10 TT-64-15631

Trans. of Priroda (USSR) 1947, v. 36, no. 11, p. 75-78.
Another trans. is available from SLA as RT-538, 9p.

Petryaev, E. D.
TICK FEVER IN THE TRANSBAIKAL REGION [Kleshchevoi Sypnoi Tif v Zabaikal'e]. [1964] 3p 1ref NAMRU Trans. 27(T27).
Order from OTS, SLA, or ETC $1.10 TT-64-15607

Trans. of Med[itsinskaya] Parazitol[ogiya i] Parazitar[nye] Bolezni (USSR) 1946, v. 15, no. 2, p. 84-85.
Another trans. is available from SLA as RT-2115, 3p.

Pilipenko, V. G., Soboleva, N. M., Ponomareva, T. N., and Kadatskaya, K. P.
THE PROBLEM OF NATURAL FOCI OF BRUCELLOSIS INFECTION [K Voprosu o Prirodnoi Ochagovosti Brutselleznoi Infektsii]. [1964] 8p 19refs NAMRU Trans. 41(T41).
Order from OTS, SLA, or ETC $1.10 TT-64-15619

Trans. of Zh[urnal] Mikrobiol[ogii] Epidem[iologii i] Immunobiol[ogii] (USSR) 1955 [v. 26] no. 1, p. 82-87.
Another trans. is available from SLA as RT-3654.

Piontkovskaya, S. P.
THE TICK HYALOMMA MARGINATUM MARGINATUM KOCH AS A TRANSMITTER OF RICKETTSIA. [1964] 2p NAMRU Trans. 40(T40).
Order from OTS, SLA, or ETC $1.10 TT-64-15618

Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1949, v. 28, no. 5, p. 419-420.

Pogosyants, E. E. and Kiseleva, N. S.
TUMOR STRAINS MAINTAINED AT THE INSTITUTE OF EXPERIMENTAL AND CLINCAL ONCOLOGY OF THE U. S. S. R. ACADEMY OF MEDICAL SCIENCES. P. DePorte, tr. 30 Apr 64, 27p 111refs
NIH no. 4-42-64.
Order from OTS, SLA, or ETC $2.60 TT-64-15571

Trans. of #Voprosy Onkologii (USSR) 1963, v. 9, no. 8, p. 103-116.

Radzikhovskii, B. L.
NEW METHOD OF DETERMINING 24-HOUR VARIATIONS IN INTRAOCULAR TENSION AND ITS IMPORTANCE IN THE DIAGNOSIS OF GLAUCOMA (Novaya Metodika Opredeleniya Sutochnykh Kolebanii Vnutriglaznogo Davleniya i Ee Znachenie v Diagnostike Glaukomy). [1964] [10p] (foreign text included) 8refs
FASEB Ms no: S744-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15548

Trans. of Vestnik Oftal'mologii (USSR) 1963, v. 76, no. 3, p. 59-63.

Rasulov, Kh. G.
AN EXPERIMENTAL STUDY OF THE ALLERGIC PROPERTIES OF COTTON AND COTTON DUST EXTRACTS. I. DEVELOPMENT OF LOCAL ANAPHYLAXIS (Eksperimental'noe Izuchenie Allergicheskikh Svoistv Ekstraktov Khlopka i Khlopkovoi Pyli. Soobshchenie I. K Voprosu o Razvitii Mestnoi Anafilaksii). [1964] [20p] (foreign text included) 4refs
FASEB Ms no. S769-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15405

Trans. of Gigiena Truda i Professional'nye Zabolevaniya (USSR) 1963 [v. 7] no. 5, p. 33-38.

Reuter, Hans Joachim.
ATLAS OF UROLOGIC ENDOSCOPY: DIAGNOSIS, OPERATIVE CYSTOSCOPY, ELECTRORESECTION
Hubert G. W. Frohmüller, tr. 1964, 114p
Order from W. B. Saunders Co., W. Washington Sq., Philadelphia, Pa.

Trans. of unidentified German mono, n.p., n.d.

Roche, L.
THE PULMONARY HAZARDS IN THE GLASS FIBER INDUSTRY. [1964] 2p
Order from SLA $1.10 TT-64-16232

Trans. of Arch[ives des] Maladies Profess[ionnelles de Médecine du Travail et de Securité Sociale] (France) 1946, v. 7, p. 27-28.

Rössler, F.
THE DETERMINATION OF ASTIGMATISM BY MEANS OF COLOR DISPERSION (Die Bestimmung des Astigmatismus mit Hilfe der Farbenzerstreuung). [1961] 9p.
Order from SLA $1.10 TT-61-14402

Trans. of D[eutsche] Ophth[almologische] Ges[ellschaft]. Ber[icht] (Germany) 1927, v. 46, p. 328-335.

Shamlyan, N. P.
THE CLINICAL AND HEMATOLOGICAL FEATURES OF DIPHYLLOBOTHRIASIS IN THE SOVIET FAR NORTH (O Kliniko-Gematologicheskikh Osobennostyakh Difillobotrioza v Usloviyakh Krainego Severa). [1964] [22p] (foreign text included) 32refs
FASEB Ms no.: S762-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15489

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 6, p. 67-73.

Shatas, Y. A. and Bystrova, N. A.
ROLE OF IXODID TICKS IN MAINTENANCE OF NATURAL FOCI OF TULAREMIA. [1964] 9p NAMRU Trans. 84(T84).
Order from OTS, SLA, or ETC $1.10 TT-64-15647

Trans. of Zh[urnal] Mikrobiol[ogii] Epidemiol[ogii i] Immunobiol[ogii] (USSR) 1954 [v. 25] no. 6, p. 55-61.

Shiryaeva, V. L. and Pchelina, O. I.
THE USE OF LYOPHILIZED SPORES OF B. MYCOIDES FOR TESTING ANTIBIOTIC ACTIVITY (Primenenie Liofilizirovannykh Spor v. Mycoides dlya Issledovaniya Aktivnosti Antibiotikov). [1964] [9p]
FASEB Ms no.: S690-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15409

Trans. of Laboratornoe Delo (USSR) 1962, v. 8, no. 12, p. 29-31.

Teodosiev, Lyubomir St.
EXTRARENAL HYPERAZOTEMIA IN PNEUMONIA (EXPERIMENTAL INVESTIGATION) (K Voprosu o Tak Nazyvaemoi Ekstrarenal'noi Giperazotemii pri Pneumoniyakh (Eksperimental'noe Issledovanie). [1964] [16p] (foreign text included) 18refs FASEB Ms no.: S668-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15446

Trans. of Arkhiv Patologii (USSR) 1963, v. 25, no. 6, p. 53-57.

Pharmacology and Toxicology

Aleshinskaya, E. E.
CHANGES IN SERUM PROTEIN AND LIPID FRACTIONS AFTER ADMINISTRATION OF PREDNISONE (Izmenenie Belkovykh i Lipidnykh Fraktsii Syvorotki Krovi pod Vliyaniem Prednizona). [1964] [6p] FASEB Ms no. S844-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15456

Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 3, p. 322-323.

Aver'yanova, L.L. and Pochaninskii, B.I.
ÉTUDE EXPÉRIMENTALE DES ANTIBIOTIQUES SOUS LEUR FORME THÉRAPEUTIQUE APPLIQUÉE PAR VOIE RECTALE (Experimental Study of Antibiotics as Therapeutics Applied by the Rectum). 18p. 18refs. CNRS-XXI 464.
Order from OTS, ETC or CNRS $1.60 TT-63-26954

Trans. in French of #Antibiotiki (USSR) 1962, v.7, p.1000-1007.

Azizova, S. S.
CARDIAC EXPERIMENTS WITH OLITORISIDE AND CORCHOROSIDE. 21 May 64, 9p 13refs JPRS: 24707.
Order from OTS $0.50 TT-64-31305

Trans. of #Farmakologiya i Toksikologiya (USSR) 1964, v. 27, no. 1, p. 48-53.

Balyn, I. R.
THE IMPORTANCE OF THE INTRACELLULAR DISTRIBUTION OF MICROBES IN LYMPHATIC MODULES OF ALBINO RATS FOR THE ANTIBACTERIAL EFFECT OF PENICILLIN. [8]p 10refs
Order from OTS, SLA, or ETC $1.10 TT-64-16538

Trans. of #Antibiotiki (USSR) [1964] v. 9, no. 3, p. 228-232.

Bogoslavskaya, S. I.
THE EFFECTS OF CAFFEINE IN HYPOGLYCAEMIA (O Deistvii Kofeina pri Gipoglikemii). [1964] [9p] 4refs FASEB Ms no: S871-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15537

Trans. of Problemy Endokrinologii i Gormonoterapii (USSR) 1963, v.9, no. 5, p. 17-19.

Cherdyntsev, S. G.
THE MECHANISM OF ACTION OF AMINAZINE ON THE THYROID GLAND (O Mekhanizme Deistviya Aminazina na Shchitovidnuyu Zhelezy). [1964] [14p] 24refs FASEB Ms no: S872-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15538

Trans. of Problemy Endokrinologii i Gormonoterapii (USSR) 1963, v. 9, no. 5, p. 35-40

Garkavi, P. G.
IMPAIRMENT OF TISSUE PROTEIN SYNTHESIS IN TOXIC HEPATITIS INDUCED BY CERTAIN CHLORINATED HYDROCARBONS. [1964] [9p] 16refs FASEB Ms no.:S862-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15525

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1963, v. 9, no. 4, p. 365-370.

Gosheva, A. E., Ermakova, M. P., and Podozerova, N. P.
EFFECT OF AURANTIN ON RIBONUCLEIC AND DESOXYRIBONUCLEIC ACID IN CULTURES OF HUMAN BRAIN TUMORS (Vliyanie Aurantina na Ribonukleinovuyu i Dezoksiribonukleinovuyu Kislotu v Kul'turakh Opukholei Mozga Cheloveka). [1964] [16p] (foreign text included) 17refs FASEB Ms. no. S820-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15467

Trans. of #Antibiotiki (USSR) 1963, v. 8, no. 7, p. 614-618.

Guseinov, D. Ya.
EFFECT OF CRATAEGUS PENTAGYNA ON CHOLESTEROL ATHEROSCLEROSIS IN RABBITS (Vliyanie Pyatipestichnogo Boyaryshnika na Kholesterinovyi Aterosklerov u Krolikov). [1964] [14p] 18refs FASEB Ms no.: S851-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15532

Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 4, p. 435-439.

Ivanov', M. N.
CASE OF SUCCESSFUL EFFECT OF AN ALKALOID OF CELANDINE (CHELIDONIUM) WITH MALIGNANT NEOPLASM OF THE STOMACH [Sluchai Uspeshnago Dieistviya Alkaloida Chistotiela pri Zlokachestvennom Novoobrazovanii Zheludka]
Z. D. Knowles, tr, 2 Sep 54, 9p [PSC no. 54-147].
Order from OTS, SLA, or ETC $1.10 TT-64-15587

Trans. of Meditsinskoe Obozrienie (USSR) 1898, v. 50, p. 317-320.
Another trans. is available from SLA as RT-1843, 9p

Kanner, N. L.
ADRENAL CORTICAL FUNCTION IN ACUTE AND CHRONIC ANILINE POISONING (Funktsional'noe Sostoyanie Kory Nadpochechnikov pri Ostrom i Khronicheskom Otravlenii Anilinom). [1964] [15p] (foreign text included) 3refs FASEB Ms no. S858-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15459

Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 4, p. 494-498.

Klebanskii, A.L. and Lemke, A.L.
SYNTHÈSE DE L'ANTIPYRINE ET DU PYRAMIDON. II. (Antipyrine and Pyramidone Syntheses. II). 13p. 3 refs. CNRS-VIII bis 217.
Order from OTS, ETC or CNRS $1.60 TT-62-26702

Trans. in French of Zhurnal Prikladnoi Khimii (USSR) 1935, v.8, p.269-276.

Korchagin, V.B., Surkova, K.I. and others.
MÉTHODE COLORIMÉTRIQUE DE DÉTERMINATION DE L'OLÉANDOMYCINE (Colorimetric Determination of Oleandomycine). 10p. 5refs. CNRS-XXI 466.
Order from OTS, ETC or CNRS $1.10 TT-63-26952

Trans. in French of #Antibiotiki (USSR) 1962, v.7, p.962-965.

Kraiski, V.
CELANDINE (CHELIDONIUM) WITH CANCER OF THE EYELIDS AND FACE
Zelda D. Knowles, tr. 11 Aug 54, 11p
[PSC no. 54-172].
Order from OTS, SLA, or ETC $1.60 TT-64-15662

Trans. of Vestnik Oftal'mologii (USSR) 1897, v. 14, p. 252-257.
Another trans. is available from OTS, SLA, or ETC $1.10 as TT-60-19635, 12 Jan 49, 5p.

Klyueva, N. G. and Roskin, G. I.
THE ANTIBIOTIC CRUZIN AND THE MECHANISM OF ITS ACTION ON CANCER CELLS (Antibiotik Krutsii i Mekhanizm Ego Deistviya na Rakovye Kletki). [1964] [104p] 64refs FASEB Ms no.: S679-3.
Order from OTS, SLA, or ETC $9.10 TT-64-15500
figs available on loan from OTS

Trans. of Akademiya Nauk SSR. Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 3, p. 366-390.
Another trans. is available from OTS $1.50 as TT-63-31882, JPRS-21324, 4 Oct 63, 46p.

Kuznetsov, S.G. and El'tsov, A.V.
QUELQUES NOUVEAUX ESTERS AMINOALKYLIQUES DE L'ACIDE BENZYLIQUE (Several New Alkylamino Esters of Benzilic Acid). 11p. 21refs. CNRS-VIII 160.
Order from OTS, ETC or CNRS $1.60 TT-63-26939

Trans. in French of #Zhurnal Obshchei Khimii (USSR) 1962, v.32, no.2, p.511-515.

Leppla, W. and Holt, C. v.
BLOOD SUGAR-LOWERING PEPTIDES FROM BLIGHIA SAPIDA. [1964] 2p 6refs
Order from SLA $1.10 TT-64-14995

Trans. of [Naunyn Schmiedeberg's] Arch[iv für] Exp[erimentelle] Path[ologie und] Pharmakol[ogie] (West Germany) 1956, v. 228, no. 1/2, p. 166-67.
Another trans is available from SLA as II-893.

Malek, P., Kol'ts, Ya., and Zhak, F.
THE DISTRIBUTION OF TETRACYCLINE ANTIBIOTICS IN THE ORGANISM IN SHOCK (Raspredelenie Tetratsiklinovykh Antibiotikov v Organizme pri Sostoyanii Shoka). [1964] [22p] (foreign text included) 12refs FASEB Ms no. S559-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15440
figs available on loan from OTS

Trans. of #Antibiotiki (USSR) 1963, v. 8, no. 4, p. 336-343.

Moroe, T. and Sugawara, M.
SYNTHÈSE DES COMPOSÉS ALLIÉS À L'ACIDE CHAULMOUGRIQUE (X) SYNTHÈSE DE L'ACIDE (DIMÉTHYL-2-MÉTHYL-3-CYCLOPENTHÉNYL-3-)-10-CAPRIQUE (Synthesis of Allied compounds of Chaulmoogric Acid. Synthesis of 2,2,3-Trimethyl-3-Cyclopentene-1-Capric Acid). 14p. (Foreign text included) 7refs. CNRS-VIII 141.
Order from OTS, ETC or CNRS $1.60 TT-63-26830

Trans. in French of Yakugaku Zasshi (Japan) 1952, v.72, p.313-315.

Oralbaev, K. O.
A NOTE ON E. B. BERKHIN'S PAPER "ASPECTS OF PHARMACOLOGICAL INSTRUCTION IN INSTITUTIONS OF HIGHER EDUCATION" (Po Povody Stat'i E. B. Berkhina "Nekotorye Voprosy Prepodavaniya Farmakologii v Vuzakh"). [1964] [8p] (foreign text included) FASEB Ms no.: S849-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15536

Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 3, p. 381-382 (orig. paper pub. in #Farmakologiya i Toksikologiya (USSR) 1962 [v. 25] no. 6 [p. 753-754]).

Pessano, Juan Esteban.
ANTITOBACCO CAMPAIGN AMONG HIGH SCHOOL AND COLLEGE STUDENTS. [1964] 8p
Order from SLA $1.10 TT-64-14773

Trans. of Dep[artamento] Nac[ional de] Hyg[iene]. Bol[etin] San[itario] (Argentina) 1942, v. 6, suppl. 1, p. 731-737.
Another trans. is available from K-H $10.00 as K-H-10265-e [1962] 8p.

Rassokhin, V. M.
THE EFFECTS OF FAT PROTEIN AND CARBOHYDRATE LOAD ON BLOOD COAGULATION IN PATIENTS WITH ATHEROSCLEROSIS (Vliyanie Zhirovoi, Belkovoi i Uglevodistoi Nagruzki na Svertyvanie Krovi u Bol'nykh Aterosklerozom). [1964] [12p] (foreign text included) 26refs FASEB Ms no.: S 639-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15527

Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 6, p. 35-38.

Rudzit, E. A. and Yakovlev, V. P.
PENICILLIN CIRCULATION IN ALBINO RATS WITH EXPERIMENTAL PNEUMOCOCCAL INFECTION (Osobennosti Tsirkulyatsii Penitsillina v Organizme Belykh Krys pri Eksperimental'noi Pnevmokokkovoi Infektsii). [1964] [10p] (foreign text included) 3refs FASEB Ms no.:S814-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15476

Trans. of #Antibiotiki (USSR) 1963, v. 8, no. 6, p. 525-527.

Saakyan, A. G.
EFFECT OF PITUITRIN P IN TOXIC DOSES ON THE AMPLITUDE OF THE CONTRACTIONS OF THE ISOLATED FROG'S HEART (O Vliyanii Pituitrina P v Toksicheskikh Dozakh na Amplitudu Sokrashchenii Izolirovannogo Serdtsa Lyagushki). [1964] [15p] (foreign text included) 18refs FASEB Ms no. S846-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15457
figs available on loan from OTS

Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 3, p. 338-349.

Savitskii, V. N.
THE USE OF ETHANOLIC SODIUM THIOPENTAL FOR ANESTHESIA IN GYNECOLOGY (O Primenenii Spirtovogo Tiopental-Natrievogo Narkoza v Ginekologii). [1964] [23p] (foreign text included) 10refs FASEB Ms no: S724-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15533

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 27, no. 6, p. 82-87.

Shakhovskii, K. P.
THE RESISTANCE OF BACTERIAL L-FORMS TO THE EFFECT OF ANTIBIOTICS. [7]p 30refs
Order from OTS, SLA, or ETC $1.10 TT-64-16539

Trans. of #Antibiotiki (USSR) [1964] v. 9, no. 3, p. 220-225.

Sinitsyna, T. A. and Lovyagina, T. N.
THE EFFECTIVENESS OF COCONUT OIL ADMINISTRATION IN THE EXPERIMENTAL PRODUCTION OF ATHEROSCLEROSIS IN RABBITS (O Vozmozhnosti Vostroizvedeniya Eksperimental'nogo Ateroskleroza u Krolikov Vvedeniem Kokosovogo Masla). [1964] [13p] (foreign text included) 11refs. FASEB Ms no.: S 673-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15528

Trans. of Kardiologiya (USSR) 1963, v. 3, no. 3, p. 50-53.

Solov'ev, V. N. and Zueva, V. S.
CHANGES IN THE MYCERIN SENSITIVITY OF MICROORGANISMS DEVELOPING IN VIVO (Izmenenie Chuvstvitel'nosti k Mitserinu Mikrobov Razvivavshikhsya v Organizme Zhivotnogo). [1964] [14p] (foreign text included) 10refs FASEB Ms no.: S813-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15475

Trans. of #Antibiotiki (USSR) 1963, v. 8, no. 6, p. 516-520.

Soroka, V. R.
THE EFFECTS OF STROPHANTHIN AND ADONIDIN ON RENAL EXCRETION OF VARIOUS TRACE ELEMENTS. [1964] [8p] 16refs FASEB Ms no: S842-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15535

Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 3, p. 289-292.

Totusek, J.
THE IMPORTANCE OF DETAILED EXAMINATIONS OF EMPLOYEES WORKING WITH MERCURY. I. PERIODICAL EXAMINATIONS OF EMPLOYEES SUBJECT TO KNOWN EXPOSURE (ESTIMATION OF THE MERCURY LEVEL IN THE URINE)
R. G. Evan, tr. 1959 [7p] UKAEA IG Information Series 46 (RD/R); DSIR NLL M.2251.
Order from OTS, SLA, or ETC $1.10 TT-62-32390

Trans. of Pracovni Lekarstvi (Czecholsovakia) 1954, v. 6, p. 99-101.

Ul'yanova, L. A.
EFFECT OF THYROID EXTRACT AND 6-METHYTHIOURACIL ON THE CONDITIONED-REFLEX ACTIVITY OF DOGS WITH EXPERIMENTAL NEUROSES (Vliyanie Tireoidina i 6-Metiltiouratsila na Uslovnoreflektornuyu Deyatel'nost' Sobak s Eksperimental'nym Nevrozom). [1964] [13p] 13refs FASEB Ms no. S850-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15458

Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 4, p. 406-410.

Yakhontova, L.F., Bruns, B.P. and Chekulaeva, Yu.S.
UTILISATION DES CATIONITES CARBOXYLIQUES POUR L'EXTRACTION ET LA PURIFICATION DES SUBSTANCES ANTIBIOTIQUES (Use of Carboxylic Cation-Exchange Resins for Isolation and Purification of Antibiotics). 18p. 12refs. CNRS-XXI 467.
Order from OTS, ETC or CNRS $1.60 TT-63-26951

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1962, v.35, no.5, p.1101-1108.

Yunusov, S.Yu. and Akramov, S.T.
ESTRUCTURA DE LA NORLOLINA, LOLI NA Y LOLININA. IV. (Stroenie Norlolina, Lolina i Lolinina. IV.) (Structure of Norloline, Loline and Lolinine). 18p. 4refs. CID:63-314
Order from OTS, ETC or CID $1.60 TT-63-26714

Trans. in Spanish of #Zhurnal Obshchei Khimii (USSR) 1960, v.30, no.9, p.3132-3137.

Yunusov, S.Yu. and Akramov, S.T.
ESTUDIO DE LOS ALCALOIDES DE LOLIUM CUNEATUM. II. (Issledovanie Alkaloidov Lolium Cuneatum, II.) (Study of Lolium Cuneatum Alkaloids. II.). 19p. 7refs. CID:63-315.
Order from OTS, ETC or CID $1.60 TT-63-26715

Trans. in Spanish of #Zhurnal Obshchei Khimii (USSR) 1960, v.30, no.2, p.677-682.

Yunusov, S.Yu. and Akramov, S.T.
ESTUDIO DE LOS ALCALOIDES DEL LOLIUM CUNEATUM. III. (Issledovanie Alkaloidov Lolium Cuneatum.III.) (Study of Lolium Cuneatum Alkaloids). 21p. 5refs. CID:63-316.
Order from OTS, ETC or CID $2.60 TT-63-26716

Trans. in Spanish of #Zhurnal Obshchei Khimii (USSR) 1960, v.30, no.2, p.683-689.

Zejc, Alfred.
SEARCH FOR NEW DRUGS IN THE GROUP OF XANTHINE DERIVATIVES. XIX. COMBINATION OF THE 1,3-DIMETHYLOR 3,7-DIMETHYLZANTHINE WITH 1,3,4-THIODIAZOLE, BENZOTHIAZOLE, OR PYRIMIDINE SYSTEMS. [1964] [11p] 4refs
Order from SLA $1.60 TT-64-14807

Trans. of Dissertationes Pharmaceuticae (Poland) 1963, v. 15, no. 2, p. 179-187.

Radiobiology

Aleksandrovskaya, M. M.
CERTAIN MORPHOLOGICAL CHANGES OF THE CENTRAL NERVOUS SYSTEM IN WHITE RATS IRRADIATED IN THE PRENATAL PERIOD
Z. Knowles, tr. 17 Apr 64, 8p 9refs
NIH no. 4-34-64.
Order from OTS, SLA, or ETC $1.10 TT-64-15567

Trans. of #Med[itsinskaya] Rad[iologiya] (USSR) 1959, v. 4, no. 11, p. 10-14.

Belugina, Z. T. and Khachkuruzova, E S.
DYNAMICS OF HEMATOPOIESIS AND SECRETION IN THE STOMACH CONTENTS DURING RADIOPHOSPHORUS TREATMENT OF PRIMARY POLYCYTHEMIA (Dinamika Gemopoeticheskoi i Sekretornoi Aktivnosti Zheludochnogo Soderzhimogo pri Lechenii Istinnoi Politsitemii Radioaktivnym Fosforom). [1964] [22p] (foreign text included) 19refs FASEB manuscript no.: S784-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15521

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 7, p. 34-38.

Gileva, E. A.
THE ACCUMULATION OF SEVEN RADIOISOTOPES BY FOUR FRESH-WATER ALGAE. [1964] 3p 10refs.
Order from OTS, SLA, or ETC $1.10 AEC-tr-6125

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1963, v. 149, [no. 5] p. 1157.

Gurtovoi, G. K.
RADIOISOTOPIC DIAGNOSIS OF TUMORS OF THE EYE. [1964] [14p] 8refs FASEB Ms no.:S787-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15522

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 8, p. 17-22.

Kiselev, P. N. and Sivertseva, V. N.
CHANGES IN THE CAPACITY OF IRRADIATED ANIMAL TISSUES TO DESTROY MICROBIAL TOXINS. [1964] [21p] 13refs FASEB Ms no.:S775-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15518

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 5, p. 33-39.

Kuzin, A. M. and Merenova, V. I.
BIOSYNTHESIS OF GLUTAMINE, CARBOHYDRATES, AND PROTEINS LABELED WITH RADIOACTIVE CARBON [Biosintez Glyutamina, Uglevodov i Belkov, Mechennykh Radioaktivnym Uglerodom]
Zelda D. Knowles, tr. 25 Aug 54, 6p (fig omitted) 1ref [PSC no. 54-177].
Order from OTS, SLA, or ETC $1.10 TT-64-15660

Trans. of Akademiya Nauk SSSR. Doklady, 1952, v. 85, no. 1, p. 181-183.
Another trans. is available from SLA as RT-1923, 6p.

Kuznetsov, V. I. and Kushakovskii, M. S.
MECHANISM OF ACTION OF ANTIRADIATION DRUGS (O Mekhanizme Deistviya Protivoluchevykh Sredstv). [1964] [26p] (foreign text included)
FASEB Ms no.: S779-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15534

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8 [no. 6] p. 27-32.
Another trans. is available from OTS $2.25 in TT-63-31821, JPRS-21214, 25 Sep 63, 87p.

Livergant, Yu. E., Chebotareva, E. D., and Tarkhanova, M. V.
THERAPEUTIC VALUE OF RADIOIODINE IN DIFFERENT FORMS OF HYPERTHYROIDISM (O Terapevticheskoi Effektivnosti J^{131} pri Razlichnykh Formakh Tireotoksikoza). [1964] [17p] 7refs
FASEB Ms no.:S783-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15520

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 7, p. 29-34.

Luk'yanchenko, B. Ya., Sedov, V. V., and Astrakhantsev, F. A.
DIRECT LYMPHOGRAPHY IN EXPERIMENTAL AND CLINICAL PRACTICE (K Metodike Pryamoi Limfografii v Eksperimente i Klinike). [1964] [18p] (foreign text included) 11refs FASEB Ms no.: S804-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15466
figs available on loan from OTS

Trans. of Vestnik Rentgenologii i Radiologii (USSR) 1963, v. 38, no. 2, p. 16-20.

Mazaev, V. P.
LYMPHOGRAPHY IN SOME VASCULAR DISEASES OF THE LIMBS (Limfografiya pri Nekotorykh Sosudistykh Zabolevaniyakh Konechnostei). [1964] [12p] (foreign text included) 17refs FASEB Ms no. S740-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15448
figs available on loan from OTS

Trans. of Eksperimental'naya Khirurgiya i Anesteziologiya (USSR) 1963, v. 8, no. 3, p. 52-56.

Meter, I. D.
REASONS FOR THE FAILURE OF ANTIBIOTIC TREATMENT OF AUTO-INFECTION IN RADIATION SICKNESS (Prichiny Neudach Antibiotikoterapii Autoinfektsii pri Luchevoi Bolezni). [1964] [30p] (foreign text included) 17refs FASEB Ms no. S791-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15524

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 8, p. 58-65.
Another trans. is available from OTS $0.50 as TT-64-21219. JPRS-22625, 7 Jan 64, 11p.

Moskalev, Yu. I. and Petrovich, I. K.
BIOLOGICAL ACTION OF HIGH ENERGY PROTONS (500 MEV). [1964] [12p] 9refs FASEB Ms no: S616-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15516

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 5, p. 73-78.

Mukeladze, D. A.
RADIATION INJURIES OF BONE TISSUE (Radiatsionnie Povrezhdeniya Kostnoi Tkani). [1964] [27p] (foreign' text included) 12refs FASEB Ms no. S789-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15523

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 8, p. 35-42.

Muksinova, K. N.
THE USE OF BONE MARROW SUSPENSION AFTER IRRADIATION WITH SUPERLETHAL DOSES (Primenenie Suspenzii Kostnogo Mozga pri Sverkhletal'nykh Luchebykh Porazheniyakh). [1964] [12p] (foreign text included) 8refs FASEB Ms no.:S529-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15515

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 2, 25-28.
Another trans. is available from OTS, SLA or ETC $1.10 as TT-63-24249, FTD-TT-63-596, 3 Sep 63 [8p].

Nekachalova, I. Ya.
CHANGES IN INTESTINAL MOTOR FUNCTION AFTER AFTER WHOLE-BODY X-RAY IRRADIATION AND ADMINISTRATION OF PROTECTIVE SUBSTANCES (Izmenenie Motornoi Funktsii Kishechnika Posle Obshchego Rentgenovskogo Oblucheniya i Primeneniya Nekotorykh Zashchitnykh Sredstv). [1964] [19p] 8refs
FASEB Ms no. S845-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15490

Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 3, p. 327-333.

Pavlova, E. B.
CHANGES IN THE ANTERIOR LOBE OF THE PITUITARY AFTER RADIATION AND REFRIGERATION (Izmeneniya v Perednei Dole Gipofiza pri Luchevom Vozdeistvii i Okhlazhdenii). [1964] [18p] (foreign text included) 12refs FASEB Ms no. S703-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15454
figs available on loan from OTS

Trans. of Problemy Endokrinologii i Gormonoterapii (USSR) 1963, v. 9, no. 3, p. 3-7.
Another trans. is available from OTS $0.50 as TT-63-31211, JPRS-20037, 5 Jul 63, 7p.

Saksonov, P. P. and Fakhrutdinov, G. F.
TOXICOLOGICAL DATA ON RADIOACTIVE IODINE (Material k Toksikologii Radioaktivnogo Ioda). [1964] [13p] (foreign text included) 13refs FASEB Ms no.: S774-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15517

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 5, p. 29-[32].

Volkov, A. A., Muratkhodzhaev, N. K., Zen'kovich, S. G., Sinitsyn, R. V., and Belyaev, V. V.
EXPOSURE HAZARD TO STAFF OF NEURO-ONCOLOGICAL CLINICS HANDLING RADIOACTIVE GOLD GRANULES (Au^{198}) (Luchebaya Nagruzka Meditsinskogo Personala pri Rabote s Granulami Au^{198} v Neiroonkologicheskoi Klinike). [1964] [13p] 5refs FASEB Ms no.:S776-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15519

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 5, p. 39-43.
Another trans. is available from OTS $0.50 in TT-63-31468, JPRS-20520, 6 Aug 63, 16p

Surgery

Blokhin, V.
AN OUTSTANDING ACHIEVEMENT IN PLASTIC SURGERY. 21 May 64, 3p JPRS: 24965.
Order from OTS $0.50 TT-64-31298

Trans. from Meditsinskaya Gazeta (USSR) 1964, 17 Jan, p. 1.

Nedden [M] zur.
THE THERAPEUTIC EFFECT OF THE WITHDRAWAL OF THE VITREOUS IN INTERNAL DISEASES OF THE EYE (Die Heilwirkung der Glaskörperabsaugung bei Inneren Augenkrankheiten). [1961] 20p 2refs.
Order from SLA $1.60 TT-61-14460

Trans. of Kl[inische] M[onatsblätter] f[ür] Augenheilk[unde] (Germany) 1920, v. 64, p. 593-606.

Sinitsyn, N. P.
HOMOTRANSPLANTATION OF THE TURTLE'S HEART, REPT. 2 (Gomotransplantsiya Serdtsa Cherepakhi (Soobshchenie II). [1964] [10p] (foreign text included) 5refs FASEB Manuscript no.: S 738-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15512
figs available on loan from OTS

Trans. of Eksperimental'naya Khirurgiya i Anesteziologiya (USSR) 1963, v. 8, no. 3, p. 20-22.

Wertheimer, Pierre.
TREATMENT OF PERIPHERAL FACIAL PARALYSIS BY RESECTION OF THE UPPER CERVICAL SYMPATHETIC GANGLION. [1961] 3p.
Order from SLA $1.10 TT-61-14488

Trans. of [Academie de Chirurgie, Paris]. Memoires (France) 1933, v. 59, p. 4-7.

Weve, H. and Kentgens, S. K.
THE TECHNIQUE OF THE OPERATION WITH SUTURING OF THE MUCOUS MEMBRANE. [1961] 6p (figs omitted).
Order from SLA $1.10 TT-61-14445

Partial trans. (p. 195-200) of Klinische Monatsblätter für Augenheilkunde (Germany) 1937, v. 98 [p. 195-205].

Zoology

Dolmatova, A. V.
THE AUTOGENOUS DEVELOPMENT OF EGGS IN PHLEBOTOMUS PAPATASII SCOP. [1964] 5p (fig omitted). Order from OTS, SLA, or ETC $1.10 TT-64-15613

Trans. of Med[itsinskaya] Parazitol[ogiya i Parazitarnye Bolezni] (USSR) 1946, v. 15, no. 3, p. 58-62.

Feizullaev, N. A.
THE HELMINTH (NEMATODA, CESTODA, ACANTHOCEPHALA) FAUNA OF BIRDS OF THE ORDER CICONIFORMES IN LOW-LYING DISTRICTS OF AZERBAIDZHAN (Gel'mintofauna (Nematoda, Cestoda, Acanthocephala) Ptits Otryada Golenastykh (Ciconiformes) Nizmennykh Paionov Azerbaidzhana). [1964] [30p] (foreign text included) 29refs FASEB Ms no. S736-3.
Order from OTS, SLA, or ETC $2.60 TT-64-15447

Trans. of Akademiya Nauk Azerbaidzhanskoi SSR [Baku]. Izvestiya. Seriya Biologicheskikh i Meditsinskikh Nauk, 1963, no. 2, p. 61-68.

Filippova, N. A.
ON THE DIAGNOSIS OF IXODES (EXOPALPIGER) TRIANGULICEPS BIR. FROM LARVAE AND NYMPHS. [1964] 5p (figs omitted) 6refs NAMRU Trans. 68(T68).
Order from OTS, SLA, or ETC $1.10 TT-64-15629

Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1954, v. 33, no. 5, p. 1053-1057.

Filippova, N. A.
MATERIALS ON TICKS BELONGING TO THE SUBFAMILY ARGASINAE. PT. 1. ADULT TICKS AND LARVAE OF THE GENUS ARGAS LATR., GROUP REFLEXUS. [1964] [17p] (figs omitted) 10refs NAMRU Trans. 63(T63).
Order from OTS, SLA, or ETC $1.60 TT-64-15621

Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1961, v. 40, no. 12, p. 1815-1826.

Filippova, N. A.
NEW TICK SPECIES: IXODES STROMI AND ITS STANDING IN THE SYSTEM OF IXODINAE. [1964] 5p (figs omitted) 10refs NAMRU Trans. 69(T69).
Order from OTS, SLA, or ETC $1.10 TT-64-15630

Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1957, v. 36, no. 6, p. 864-869.

Filippova, N. A.
SYSTEMATIC GROUPS OF PALEARCTIC TICKS OF THE SUBFAMILY IXODINAE. [1964] 6p 11refs NAMRU Trans. 64(T64).
Order from OTS, SLA, or ETC $1.10 TT-64-15620

Trans. of [Moskovskoe Obshchestvo Ispytatelei Prirody. Byulleten'. Otdel Biologicheskii] (USSR) 1957, v. [32]62, no. 6, p. 31-34.

Gusev, V. M. and Guseva, A. A.
THE HABITATS AND MASS REPRODUCTION OF IXODES FRONTALIS IN DAGHESTAN. [1964] [6p] 9refs NAMRU Trans. 78(T78).
Order from OTS, SLA, or ETC $1.10 TT-64-15650

Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1960, v. 39, no. 7, p. 1096-1099.

Gusev, V. M., Guseva, A. A., Petrosyan, E. A. and Eigelis, Yu. K.
THE ROLE OF BIRDS IN THE SPREAD OF TICKS AND FLEAS (ACCORDING TO MATERIAL COLLECTED IN AZERBAIJAN SSR). [1964] [16p] 24refs NAMRU Trans. 83(T83).
Order from OTS, SLA, or ETC $1.60 TT-64-15653

Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1962, v. 41, no. 6, p. 905-912.

Kolpakov, E. V.
ON CERTAIN MOLLUSCS IN DRYING-UP PONDS OF THE SOUTHEAST UNION
Z. D. Knowles, tr. 29 Oct 54, 24p (figs omitted) 5refs [PSC no. 54-164].
Order from OTS, SLA, or ETC $2.60 TT-64-15658

Trans. of Raboty Volzhskoi Biologicheskoi Stantsii [sic] (USSR) 1929, v. 10, no. 4, p. 149-158.

Korenberg, E. I.
ROLE OF BIRDS IN THE FEEDING OF IXODID TICKS IN NATURAL FOCI OF ENCEPHALITIS IN THE FOREST ZONE Alena Elbl, tr. [1964] 11p 48refs NAMRU Trans. 72(T72).
Order from OTS, SLA, or ETC $1.60 TT-64-15632

Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1962, v. 41, no. 8, p. 1220-1225.

Kucheruk, V. V., Sidorova, G. A., and Zhmaeva, Z. M.
ON THE SELF PROTECTION OF SMALL RODENTS AGAINST TICK (IXODIDAE) LARVAE. [1964] [4p] (figs omitted) 5refs NAMRU Trans. 10(T10).
Order from OTS, SLA, or ETC $1.10 TT-64-15499

Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1955, v. 34, no. 4, p. 948-950.
Another trans. is available from SLA as R-3951.

Leibman, A. L. and Kalivshkina, E. A.
DISTRIBUTION OF RHIPICEPHALUS SANQUINEUS LATR. IN THE CRIMEA AND MARSEILLES FEVER IN MAN A. Elbl, tr. [1964] 6p 10refs NAMRU Trans. 77(T77).
Order from OTS, SLA, or ETC $1.10 TT-64-15649

Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1962, v. 41, no. 8, p. 1162-1165.

Lindberg, G. U. and Legeza, M. I.
REVIEW OF GENERA AND SPECIES OF FISHES OF THE SUBFAMILY CYCLOPTERINAE (PISCES) (Obzor Rodov i Vidov Ryb Podsemeistva Cyclopterinae (Pisces)).
1964, 75p 66refs PL-480 Int.
Order from OTS $0.75 TT-61-31032

Trans of Akademiya Nauk SSSR. Zoologicheskii Institut. Trudy, 1955, v. 18, p. 389-458

Lototskii, B. V.
ON MORPHOLOGY OF HAEMAPHYSALIS PAVLOVSKYI POSPELOVA - SHTROM, 1934 (PARASITIFORMES. [1964] 3p (figs omitted) 3refs NAMRU-Trans. 9(T9).
Order from OTS, SLA, or ETC $1.10 TT-64-15497

Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1956, v. 35, no. 9, p. 1415-1417.

Lutta, A. S., Kheisin, E. M., and Shul'man, R. E.
ON THE DISTRIBUTION OF IXODID TICKS IN KARELIA. [1964] [20p] 25refs NAMRU Trans. 96(T96).
Order from OTS, SLA, or ETC $1.60 TT-64-15637

Trans. of Akad[emiya] Nauk SSSR. Karel'[skii] Fil[ial], Petrozavodsk]. Trud[y] 1959, v. 14, p. 72-83.

Marikovskii, P. I.
SOME DATE ON OBSERVATIONS ON BEHAVIOR OF ADULT IXODID TICKS UNDER NATURAL CONDITIONS [Materialy Nablyudenii nad Povedeniem Vzroslykh Iksodovykh Kleshchei v Estestvennoi Obstanovke]. [1964] 7p (figs omitted) 2refs NAMRU Trans., 76(T76).
Order from OTS, SLA, or ETC $1.10 TT-64-15648
P I C
Trans. of Med[itsinskaya] Parazitol[ologiya] i Parazitar[nye] Bolezni (USSR) 1945, v. 14, no. 6, p. 60-66.
Another trans. is available from SLA as RT-325, 15p.

Matikaschvili, N. V. and Dzhparidze, N. I.
LARVAE AND NYMPHS OF RHIPICEPHALUS SANGUINEUS LATR. AND RH. TURANICUS B. POM.
Alena Elbl, tr. [1964] [6p] NAMRU Trans. 43(T43).
Order from OTS, SLA, or ETC $1.10 TT-64-15628

Trans. of [Akademiya Nauk Gruzinskoi SSR, Tiflis. Soobshcheniya] 1942, v. 3, no. 1, p. 73-79.

Naumov, R. L.
WHETHER THE TAIGA TICK FEEDS ON YELLOW AND PINE BUNTINGS, EMBERIZA CITRINELLA L. AND E. LEUCOCEPHALOS GM. [1964] 8p (figs omitted) 9refs NAMRU Trans. 94(T94).
Order from OTS, SLA, or ETC $1.10 TT-64-15643
P I C
Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1963, v. 42, no. 4, p. 513-517.

Nikolskaya, M. N.
A NEW SPECIES OF PARASITE OF IXODID TICKS, IXODIPHAGUS HIRTUS NIK., SP. N. (HYMENOPTERA, CHALCIDOIDEA). [1964] 4p (figs omitted) 7refs NAMRU Trans. 95(T95).
Order from OTS, SLA, or ETC $1.10 TT-64-15645
P I C
Trans. of Parazitol[ogicheskii] Sborn[ik] (USSR) 1950, v. 12, p. 272-274.

Ozhigova, A. P.
STRUCTURAL FEATURES OF THE OCCIPITAL CORTEX OF THE CEREBRAL HEMISPHERES IN VARIOUS ECOLOGICAL GROUPS OF LOWER AND HIGHER APES (Osobennosti Stroeniya Kory Zatylochnoi Oblasti Bol'shikh Polusharii u Raznykh Ekologicheskikh Grupp Nizshikh i Vysshikh Obez'yan). [1964] [27p] 11refs FASEB Ms no.: S711-3
Order from OTS, SLA, or ETC $2.60 TT-64-15506
figs available on loan from, OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 45, no. 7, p. 18-26.

Petrischeva, P. A.
BLOODSUCKING INSECTS AND TICKS IN THE KARA KUN AND THEIR MEDICAL IMPORTANCE IN THE REHABILITATION OF DESERTS. [1964] 23p NAMRU Trans. 58(T58).
Order from OTS, SLA, or ETC $2.60 TT-64-15623
P I C
Trans. of Zool[ogicheskii] Zhur[nal] (USSR) 1954, v. 33, no. 2, p. 243-268.

Petrishcheva, P. A. and Zhmaeva, Z. M.
NATURAL ENEMIES OF FIELD TICKS. [1964] 5p NAMRU Trans. 82(T82).
Order from OTS, SLA, or ETC $1.10 TT-64-15652
P I C
Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1949, v. 28, no. 5, p. 479-481.

Pomerantzev, B. I., Matashvili, N. V., and Lotoskii, B. V.
AN ECOLOGICAL AND FAUNISTIC OUT-LINE OF IXODIDAE TICKS OCCURRING IN TRANSCAUCASIA
Alena Elbl, tr. [1964] 30p 15refs NAMRU Trans. 51(T51).
Order from OTS, SLA, or ETC $2.60 TT-64-15624
P I C
Trans. of Parazitol[ogicheskii] Sborn[ik] (USSR) 1940, v. 7, p. 100-133.

Pospelova-Shtrom, M. V., Vasil'eva, I. S., and Semashko, L. L.
A NEW SPECIES OF ARGASID TICKS (SUBFAMILY ARGASINAE, FAMILY ARGASIDAE) ARGAS BEKLEMISCHEVI N. SP. [1964] 5p (figs omitted) 3refs NAMRU Trans. 89(T89).
Order from OTS, SLA, or ETC $1.10 TT-64-15641

Trans. of Med[itsinskaya] Parazit[ologiya i Parazitarnye Bolezni] (USSR) 1963 [v. 32] no. 1, p. 61-65.

Semashko, L. L.
HOUSE SPARROWS AND TREE SPARROWS AS TICK CARRIERS (IN THE TOWN OF ASHKHABAD) PT. II [1964] 8p 5refs NAMRU Trans. 90(T90).
Order from OTS, SLA, or ETC $1.10 TT-64-15642

Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1959, v. 38, no. 9, p. 1383-1387.

Semashko, L. L.
HOUSE [SPARROWS] AND TREE SPARROWS AS TICK CARRIERS (IN TURKMENIA) PT. II. [1964] [13p] 12refs NAMRU Trans. 93(T93).
Order from OTS, SLA, or ETC $1.60 TT-64-15644

Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1961, v. 40, no. 7, p. 1070-1078.

Serdyukova, G. V.
KEY TO HYALOMMA TICKS OF RUSSIA.
[1964] [7p] NAMRU Trans. 2(T2).
Order from OTS, SLA, or ETC $1.10 TT-64-15672
P I C
Trans. of [Opredeliteli po Faune SSSR] 1956, v. 64, p. 79-83.

Shen, Shou-hsun.
ALL CHINA SYMPOSIUM ON PARASITOLOGY [PEKING, NOV-DEC 63]. 19 May 64, 3p JPRS: 24654 (p. 31-33).
Order from OTS $1.25 in TT-64-31283 (p. 31-33)

Trans. of K'o Hsüeh T'ung Pao (Chinese People's Republic) 1964, no. 3, p. 274.

Sokolov, I. I.
KARYOLOGICAL STUDY OF SOME ACARI AND THE PROBLEM OF SEX DETERMINATION IN THE GROUP. [1964] 11p (figs omitted) 8refs NAMRU Trans. 102(T102).
Order from OTS, SLA, or ETC $1.60 TT-64-15646

Trans. of Akad[emiya] Nauk SSSR, Izvest[iya]. Ser[iya] Biol[ogicheskaya] 1945, no. 6, p. 654-663.

Tagil'tsev, A. A.
PECULIARITIES OF ECOLOGY OF GAMASID MITES TAKEN FROM DYROMYS NITEDULA PALLAS IN THE ENVIRONS OF ALMA-ATA. [1964] [17p] 24refs NAMRU Trans. 88(T88).
Order from OTS, SLA, or ETC $1.60 TT-64-15640

Trans. of Zool[ogicheskii] Zh[urnal] (USSR) 1962, v. 41, no. 5, p. 666-674.

Ushakova, G. V.
ON THE FINDINGS OF HUNTERELLUS HOOKERI HOW., PARASITES OF IXODID TICKS IN KAZAKHSTAN. [1964] 3p (fig omitted) 9refs NAMRU Trans. 98(T98).
Order from OTS, SLA, or ETC $1.10 TT-64-15635

Trans. of Akad[emiya] Nauk Kaza[khskoi] SSR [Alma-Ata]. Inst[itut] Zool[ogii]. Trud[y] 1962, v. 16, p. 183-185.

Yakunin, M. P.
SPIROCHAETES OF WILD BIRDS: PARASITES OF WILD ANIMALS OF KAZAKHSTAN. [1964] [10p] 15refs NAMRU Trans. 97(T97).
Order from OTS, SLA, or ETC $1.10 TT-64-15636

Trans. of Akad[emiya] Nauk Kaza[khskoi] SSR [Alma-Ata]. Inst[utit] Zool[ogii]. Trud[y] 1962, v. 16, p. 15-22.

Yashnov, V. A.
A HIGH SPEED PLANKTON NET N. F. C. Owen, tr. Dec. 61 [8p] 8refs [DSIR] NLL M.3923.
Order from OTS, SLA, or ETC $1.10 TT-64-13268

Trans. of Zoologicheskii Zhurnal (USSR) 1961, v. 40, no. 1, p. 122-128.

Zhmaeva, Z. M.
PARTHENOGENETIC DEVELOPMENT OF HAEMAPHYSALIS BISPINOSA NEUMANN (ACARINA, IXODIDAE). [1964] 2p 3refs NAMRU Trans. 32(T32).
Order from OTS, SLA, or ETC $1.10 TT-64-15612

Trans. of Ent[omologicheskoe] Obozr[enie] (USSR) 1950, v. 31, no. 1/2 p. 121-122.
Another trans. is available from SLA as R-3651.

CHEMISTRY

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 27. 15 May 64, 12p
JPRS: 24632.
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JPRS: 24688.
Order from OTS $0.50 TT-64-31296

Abstract trans. of Silikat Technik (East Germany) 1964, v. 15, no. 4, p. 103-128.

Ensslin, W.
SOXHLET APPARATUS FOR WORK UNDER LOW PRESSURE. 2p (3 figs omitted)
Order from SLA $1.10 TT-64-16428

Trans. of Zeit[schrift für] Anal[ytische] Chem[ie] (West Germany) 1955, v. 146, p. 321-322.
Another trans. is available from SLA as II-714 (2)p.

Analytical Chemistry

Beletskii, Yu. A. and Mil'cho, E. M.
DETERMINATION OF ETHYL ALCHOL IN DISTILLED BUTADIENE. 3p 1ref
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Trans. of Sinteticheskii Kauchuk (USSR) 1936 [v. 5] no. 2, p. 27-29.

Budesinsky, B.
SPECTROPHOTOMETRIC INVESTIGATION OF THE REACTIONS OF BISMUTH, THORIUM, ZIRCONIUM, VANADIUM, TITANIUM, AND SCANDIUM WITH XYLENOL ORANGE AND THE DETERMINATION OF TRACE AMOUNTS OF THESE METALS IN URANIUM. [18p] 26refs
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Trans. of [Sbornik Chekoslovatkykh Khimicheskykh Rabot (Czechoslovakia) 1963 [v. 28, no. 7] p. 1858-1866.

Bukreeva-Prozorovskaya, L. M. and Tserkovnikova, I. M.
COEFFICIENT OF DISTRIBUTION OF ACETALDEHYDE BETWEEN 1,3-BUTADIENE AND WATER IN WASHING CRUDE BUTADIENE. 4p 8refs
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Trans. of Sinteticheskii Kauchuk (USSR) 1934 [v. 3] no. 1, p. 36-40.

Chernyakovskaya, T. F.
COLORIMETRIC DETERMINATION OF SMALL AMOUNTS OF ACETYLENE IN BUTADIENE. 5p 3refs
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Trans. of Sinteticheskii Kauchuk (USSR) 1936 [v. 5] no. 2, p. 29-31.

Collee, R.
CONTRIBUTION TO THE CHEMICAL DETERMINATION OF MATERIALS CONTAINING LEAD. 15p 2refs
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Trans. of Analytica Chimica Acta (Netherlands) 1956, v. 14 [no. 5] p. 430-438.
Other translations are available from SLA as SLA-1085 (15p) and as TT-57-3451 (12p)

Dvorak, J. and Truplova, E.
DETERMINATION OF SODIUM AND TITANIUM BY FLAME PHOTOMETRY. 7p 3refs
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Trans. of [Sbornik Chekhoslovatkykh Khimicheskykh Rabot] (Czechoslovakia) 1963, v. 28 [no. 6] p. 1609-1612.

Esafov, V. I.
DETERMINATION OF NITROGEN IN ORGANIC COMPOUNDS BY THE KJELDAHL METHOD. 5p (2figs omitted) 5refs
Order from OTS, SLA, ETC $1.10 TT-64-16478

Trans. of Zavod[skaya] Lab[oratoriya] (USSR) 1955, v. 21, no. 10, p. 1160-1163.

Ishibashi, M. and Fujinaga, T.
ÉTUDES CHIMIQUES ANALYTIQUES À L'AIDE DE LA MÉTHODE POLAROGRAPHIQUE. VIII. SUR LES ONDES DE RÉDUCTION DE L'ALUMINIUM, ANALYSE QUANTITATIVE ABSOLUE, NO.3 (Polarographic Analysis. VIII. Electrolytic Reduction Wave of Aluminum). 4p. 3refs. CNRS-VIII bis 162.
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Trans. in French of Nihon Kagaku Zasshi (Japan) 1952, v.73, p.538-539.

Ishimori, T.
ANALYSE COLORIMÉTRIQUE DU BARYUM PAR LE RHODIZONATE DE SODIUM (Colorimetric Determination of Barium with Sodium Rhodizonate). 6p. 5 refs. CNRS-VIII bis 248.
Order from OTS, ETC or CNRS $1.10 TT-62-26695

Trans. in French of Nihon Kagaku Zasshi (Japan) 1951, v.72, p.988-990.

Ivcher, T.S., Perepletchikova, E.M. and Zil'berman, E.N.
ÉTUDE POLAROGRAPHIQUE DE CERTAINES IMPURETÉS DE LA CYCLOHEXANONE (Polyarograficheskoe Issledovanie Nekotorykh Primesei v Tsiklogeksanone) (Polarographic Investigation of Certain Impurities in Cyclohexanone). 13p. (foreign text included) 5 refs. CNRS-XXXXV 53
Order from OTS, ETC or CNRS $1.60 TT-63-26824

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1962, v.35, no.3, p.634-637.

Kainz, Gerald and Schöller, Ferdinand.
CONTRIBUTION TO THE MICRO C-H ANALYSIS: NICKEL AS REDUCING AGENT FOR NITROGEN OXIDES. 3p (1 fig 11refs omitted)
Order from SLA $1.10 TT-64-16474

Trans. of Z[eitschrift für] Anal[ytische] Chem[ie] (West Germany) 1955, v. 148, no. 1, p. 6-9.

Klimova, V. A., Korshun, M. O. and Bereznitskaya, E. G.
RAPID METHODS OF MICROELEMENTARY ANALYSIS. SIMULTANEOUS DETERMINATION OF CARBON, HYDROGEN, AND PHOSPHORUS IN ORGANOPHOSPHORUS COMPOUNDS [Skorostnye Metody Mikroelementarnogo Analiz. Odnovremennoe Opredelenie Ugleroda, Vodoroda i Fosfora v Fosfororganichekikh Soedineniyakh] Zelda D. Knowles, tr. 28 Dec 54, 5p 4refs [PSC no. 54-156].
Order from OTS, SLA, or ETC $1.10 TT-64-15558

Trans. of Akademiya Nauk SSSR. Doklady, 1954, v. 96, no. 2, p. 287-288.
Other translations are available from SLA as RT-2259; R-2836; from ATS as ATS-RJ-257; and from OTS, SLA, or ETC $1.10 as TT-64-14693, 3p.

Klimova, V. A., Korshun, M. O., and Bereznitskaya, E. G.
RAPID METHODS OF MICROELEMENTARY ANALYSIS: SIMULTANEOUS DETERMINATION OF CARBON, HYDROGEN, AND SILICON BY COMBUSTION IN THE PRESENCE OF A CATALYST [Skorostnye Metody Mikroelementarnogo Analiza: Odnovremennoe Opredelenie Ugleroda, Vodoroda i Kremniya Sozhzheniem v Prisutstvii Katalizatora] Zelda D. Knowles, tr. 29 Dec 54, 6p 3refs [PSC no. 54-157].
Order from OTS, SLA, or ETC $1.10 TT-64-15555

Trans. of Akademiya Nauk SSSR. Doklady, 1954, v. 96, no. 1, p. 81-83.
Another Trans. is available from SLA as RT-2260, 6p.

Körbl, J.
USE OF SILVER PERMANGANATE IN ANALYSIS. III. DETERMINATION OF CARBON AND HYDROGEN BY UTILIZATION OF A SHORT, CATALYTIC PACKING OF THE COMBUSTION TUBE. 7p (2 figs 12refs omitted)
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Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] (Czechoslovakia) 1955, v. 20, no. 5, p. 1026-1031.
Another trans. is available from SLA $1.60 as TT-62-18987, 30 Jul 62 [11p].

Kratzl, K. and Gruber, K.
THE QUANTITATIVE SEPARATION AND IDENTIFICATION OF VARIOUS ALKOXY GROUPS BY GAS-LIQUID CHROMATOGRAPHY (Zur Quantitativen Trennung und Bestimmung Verschiedener Alkoxylgruppen mittels Gas-Flüssig-Chromatographie). [17p] (foreign text included) 21refs
Order from SLA $1.60 TT-64-16597

Trans. of Monatshefte für Chemie (Austria) 1958, v. 89 [no. 4/5] p. 618-624.
Another trans. is available from SLA $1.10 as TT-63-20957 (6p)

Lazarevskaya, A. V.
EFFECT OF LOW BOILING ADMIXTURES IN THE BUTADIENE DISTILLATE ON ITS POLYMERIZATION BY METALLIC SODIUM. 5p 3refs
Order from OTS, SLA, or ETC $1.10 TT-61-16676

Trans. of Sinteticheskii Kauchuk (USSR) 1936 [v. 5] no. 2, p. 17-19.

Shaikind, S.P.
EMPLEO DEL METODO POLAROGRAFICO EN EL ANALISIS DEL PLOMO Y SUS COMPUESTOS (Primenenie Polyarograficheskogo Metoda pri Analize Svintsa i Ego Soedinenii) (Utilization of Polarographic Methods in the Analysis of Lead and Lead Compounds). 18p. 12refs. CID:63-338.
Order from OTS, ETC or CID $1.60 TT-63-26738

Trans. in Spanish of Zhurnal Prikladnoi Khimii (USSR) 1938, v.11, no.9, p.1378-1383.

Shatalov, V. P.
DETERMINATION OF WATER IN RECTIFIED BUTADIENE WITH MAGNESIUM NITRIDE. 4p 2refs
Order from OTS, SLA, or ETC $1.10 TT-61-18043

Trans. of Sinteticheskii Kauchuk (USSR) 1936 [v. 5] no. 4, p. 31-33.

Shuikin, N.I., Lopatin, B.V. and Lebedev, B.L.
DÉTERMINATION DE LA STRUCTURE DES COMPOSÉS DU FURANE ET DU TÉTRAHYDROFURANE PAR LA MÉTHODE DE SPECTROSCOPIE INFRAROUGE (Opredelenie Soedinenii Furanovogo i Tetragidrofuranovogo Ryada Metodom Infrakrasnoi Spektroskopii) (Determination of Furane and Tetrahydrofurane Compounds by Infra-Red Spectroscopy). 16p. (foreign text included) 13 refs. CNRS-VIII 134.
Order from OTS, ETC or CNRS $1.60 TT-63-26608

Trans. in French of #Zhurnal Analiticheskoi Khimii (USSR) 1961, v.16, no.5, p.639-642.

Sorokin, V. A. and Puzitskii, K. B.
REACTION OF 1,3-BUTADIENE WITH SULFUR DIOXIDE. [1961] 6p 8refs
Order from OTS, SLA, or ETC $1.10 TT-61-16625

Trans. of Sinteticheskii Kauchuk (USSR) 1933 [v. 2] no. 6, p. 12-16.

Vtorova, E. I.
QUANTITATIVE DETERMINATION OF WATER IN RECTIFIED BUTADIENE. 4p 8refs
Order from OTS, SLA, or ETC $1.10 TT-61-18044

Trans. of Sinteticheskii Kauchuk (USSR) 1936 [v. 5] no. 4, p. 29-31.

Inorganic Chemistry

Avramenko, L. I. and Kolesnikova, R. V.
ABOUT THE MECHANISM OF HYDROGEN PEROXIDE FORMATION FROM ATOMS AND RADICALS. 7p 12refs
Order from OTS, SLA, or ETC $1.10 TT-64-16306

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1956, v. 30 [no. 4] p. 763-768.

Ehrlich, Paul, Alt, Bernhard, and Gentsch, Leonore.
THE CHLOROHYDRIDES OF THE ALKALINE EARTH METALS. 29p (1 fig omitted) 17refs
Order from SLA $2.60 TT-64-16443

Trans. of Zeitschrift f[ür] Anorg[anische] u[nd] Allg[emeine Chemie (East Germany) 1956, v. 283, p. 58-73.
Another trans. is available from K-H $36.25 as K-H-4050c, 29p.

Ganz, S.N.
ESTUDIO DE LA VELOCIDAD DE CONVERSION DEL CaSO4 EN (NH4)2SO4 POR COMBINACION DE ESTE PROCESO CON LA ABSORCION DE NH3 Y CO2 EN CONDICIONES DE REGIMEN FUERTEMENTE TURBULENTO (Issledovanie Skorosti Konversii CaSO4 v (NH4)2SO4 pri Sovmeshchenii Etogo Protsessa s Absorbtsiei NH3 i CO2 v Usloviyakh Vysokoturbulentnogo Rezhima) (Study of the CaSO4-(NH4)2SO4 Conversion Rate by the Combination of this Process with NH3 and CO2 Absorption under Very Turbulent Conditions). 9p. 7refs. CID:63-393.
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Trans. in Spanish of #Zhurnal Prikladnoi Khimii (USSR) 1959, v.32, no.5, p.975-978.

, Samsonov, G. V. and Markovskii, L. Ya.
THE CHEMISTRY OF BORIDES. 66p 233refs
Order from OTS, SLA, or ETC $6.60 TT-64-16333

Trans. of Uspekhi Khimii (USSR) 1956, v. 25, no. 2, p. 190-241.
Other trans. are available from LC or SLA mi $5.70, ph $16.80 as TT-59-17699, 110p. and from ATS as ATS-RJ-631, 59p

Tomaszewski, Jerzy and Pischinger, Ernest.
REMARKS ON THE PRODUCTION PARAMETERS OF PURIFIED SODIUM BICARBONATE (Uwagi na Temat Parametrow Produkcji Oczyszczonego Wodoroweglanu Sodowego) [1964] [11]p (foreign text included) 3refs
Order from SLA $1.10 TT-64-16067

Trans. of Przemysl Chemiczny (Poland) 1963, v. [19](42) no. 8, p. 419-421.

Varlamov, M.L.
AU SUJET DE LA TENSION PARTIELLE DES OXYDES D'AZOTE AU-DESSUS DES NITROSES (Vapor Pressure of Nitrogen Oxides Over Nitroses). 10p. 6refs. CNRS-VIII bis 161.
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Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1949, v.22, no.9, p.938-942.

Organic Chemistry

AROMATIC KETONES OF THE SATURATED OR UNSATURATED CYCLOPENTAOPOLYHYOROPHENANTHRENE SERIES. [1964] 1p.
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Trans. of Italian patent 363,163, 21 Jun 38, by Gesell. f. Chem. Industry, Basle.

PROCESS FOR THE PRODUCTION OF WATERSOLUBLE COMPOUNDS FROM UNSATURATED WAXES. [1964] 2p
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Trans. of abstract of German patent 672,491, cl. 12 o, gr. 23_{01}, granted [9 May] 34, by I. G. Farbenindustrie A. G. (pub. in [Seifen-Ole-Fette-Wachse] (Germany) 1939 v. 66, p. 540).

PROCESS FOR TREATMENT OF BY-PRODUCT POLYURETHANE. 3p
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Trans. of German patent 861,926, by Société Rhodiaceta, granted 8 Jan 53,

Arbuzov, B. A.
ESTERS OF DIETHYL PHOSPHINOUS ACID [Efiry Dietilfosfinistoi Kisloty] Zelda D. Knowles, tr.
11 Aug 64, 6p 4refs [PSC no. 54-9].
Order from OTS, SLA, or ETC $1.10 TT-64-15580

Trans. of Akademiya Nauk SSR. Doklady, 1953, v. 89, no. 2, p. 291-292.
Another trans. is available from SLA as RT-1848, 6p.

Auhagen.
PROCESS FOR PREPARATION OF PANTOTHENIC ACID, ITS SALTS OR ESTERS. 4p
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Trans. of German patent 861,838, by Farbenfariken Bayer, Leverkusen, granted 5 Jan 53.

Badriyan, A. S. and Furman, M. S.
INFLUENCE OF PRESSURE ON FORMATION OF INTERMEDIATE OXIDATION PRODUCTS OF PROPANE. 4p 9refs
Order from OTS, SLA, or ETC $1.10 TT-64-16556

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1956, v. 108, no. 5 [p. 861-863].

Butz, Karl.
PRODUCTION OF PEROXIDE COMPOUNDS OF PYROPHOSPHORIC ESTERS OF FATTY ALCOHOLS. [1964] [2p]
Order from OTS, SLA, or ETC $1.10 TT-64-16252

Trans. of abstract of German patent 649,322, cl. 12 o, gr. 5, granted 29 July 33, by Böhme Fettchemie G. m. b. H. (pub. in [Seifen-Ole-Fette-Wachse] (Germany) 1937, v. 64, p. 882).

Clasen, Hermann.
PROCESS FOR THE PRODUCTION OF ORGANOPOLYSILANES (Verfahren zur Herstellung von Organopolysilanen). [6p] (foreign text included)
Order from OTS, SLA, or ETC $1.10 TT-64-16524

Trans. of German patent 933,231, cl 39c, gr 30, by Metallgesellschaft Aktiengesellschaft, Frankfurt/M., granted 25 Aug 55, appl. M 1550 IVc/39c, 24 Mar 55, in force from 17 Sep 52.

Fikentscher, H. and Hagen, G.
PROCESS FOR PREPARATION OF ALKALI OR AMMONIUM SALTS OF POLYACRYLIC ACID AND ITS HOMOLOGS. 2p
Order from OTS, SLA, or ETC $1.10 TT-64-16631

Trans. of German patent 695.097, granted 16 Aug 40.

Fischer, E. O. and Jira, R.
CYCLOPENTADIENYL MANGANESE TRICARBONYL. 4p 4refs
Order from SLA $1.10 TT-64-16477

Trans. of Z[eitschrift fur] Naturforsch[un]g (West Germany) 1954. v. 9b, no. 9, p. 618-619.

Galanina, R. S. and Nekrasov, A. S.
On SOME RELATIONSHIPS DURING THE THERMAL CHLORINATION OF n-DODECANE. 3p 4refs
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Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1956, v. 108 [no. 2] p. 251-252.

Hanschke, Ernst.
REPORT ON THE PRINS REACTION. PT. II. THE REACTION OF BUTYLENE WITH FORMALDEHYDE. [1964] 11p 6refs
Order from SLA $1.60 TT-64-16148

Trans. of Chemische Berichte (West Germany) 1955, v. 88, no. 7, p. 1048-1053.
Another trans is available from SLA as 57-1826.

Hart, R.
GRAFT AND BLOCK COPOLYMERS. PT. I. GRAFT COPOLYMERS. 21p
Order from SLA $2.60 TT-64-16550

Trans. of Ind[ustrie] Chim[ique] Belge, 1956, v. 21 [no. 11] p. 1193-1202.

Hart, R.
GRAFT AND BLOCK COPOLYMERS. PART II. BLOCK COPOLYMERS. 15p.
Order from SLA $1.60 TT-64-16551

Trans. of Industrie Chimique Belge, 1956, v. 21 [no. 12] p. 1309-1317.

Henglein, Arnim and Url, Hans.
THE SULFOCHLORINATION OF HEPTANE WITH THE AID OF Co^{60} GAMMA RAYS. 12p 10refs
Order from SLA $1.60 TT-64-16548

Trans. of Zeitschrift für Physikalische Chemie [Frankfurt] (West Germany) 1956 [Neue Folge] v. 9, p. 285-299.
Another trans is available from SLA as 58-1629, 11p

Hopff and Kern.
PROCESS FOR PREPARATION OF FUNCTIONAL DERIVATIVES OF HIGH MOLECULAR WEIGHT ALCOHOLS. 5p
Order from OTS, SLA, or ETC $1.10 TT-64-16543

Trans. of German paptent 883,653, by Badische Anilin- & Soda-Fabrik A.G., Ludwigshafen, granted 20 July 53.

Itabashi, K.
HYDROGÉNATION SOUS PRESSION DES COMPOSÉS ORGANIQUES PAR LE CATALYSEUR SULFURÉ DE MOLYBDÈNE. XI. SYNTHÈSE DE DODÉCYLMERCAPTANS À PARTIR DU DODÉCANONITRILE (Pressure-Hydrogenation of Organic Compounds by Molybdenum Sulfide Catalyst. XI. Synthesis of Dodecyl Mercaptan from Dodecanonitrile). 17p, (foreign text included) 15refs. CNRS-VIII40.
Order from OTS, ETC or CNRS $1.60 TT-63-26829

Trans. in French of Yuki Gosei Kagaku Kyokai Shi (Japan) 1961, v.19, no.8, p.597-601.

Korshak, V. V., Vinogradova, S. V., and Morozova, D. T.
STUDIES IN THE FIELD OF COORDINATION CHAIN POLYMERS. VII. COORDINATION POLYMERS BASED ON QUINIZARIN AND 4,4'-BIS-(ACETOACETYL)-DIPENYL ETHER. 22 Apr 64 [15p] 5refs
RSIC-168; AD-600 085
Order from OTS, $0.50 TT-64-11643

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1961, v. 3, no. 10, p. 1500-1508.

Kozima, H.
ISOMÉRISATION DE L'α-PINÈNE PAR "L'AMMONIAQUE -ARGILE ACIDE JAPONAISE" (Isomerization of α-Pinene over Ammonia-Acid Clay). 6p. 4refs. CNRS-VIII bis 109.
Order from OTS, ETC or CNRS $1.10 TT-62-26665

Trans. in French of Nihon Kagaku Zasshi (Japan) 1951 [v. 72] p. 384-385

Kukalenko, S.S. and Mel'nikov, N.N.
ACERCA DE LOS INSECTOFUNGICIDAS ORGANICOS. XXVIII. SINTESIS DE ALGUNOS ESTERES DEL BICICLO (2, 2, 1)-HEPTENIL-5-CARBINOL-2 (Iz Oblasti Organicheskikh Insektofungitsidov. 28. Sintez Nekotorykh Efirov Bitsiklo-(2, 2, 1)-Geptenil -5-Karbinola-2) (Organic Pesticides. 28. Synthesis of Some Esters of Bycyclo (2, 2, 1)-Heptenyl-5-Carbinol-2). 8p. 13refs. CID:63-389.
Order from OTS, ETC or CID $1.10 TT-63-26789

Trans. in Spanish of #Zhurnal Obshchei Khimii (USSR) 1958, v.28, no.1, p.154-158.

Kushimoto, T.
ÉTUDE SUR L'HYDROLYSE DES POLYSACCHARIDES AVEC DE L'ACIDE.I.LA VARIATION DU TAUX DE RÉDUCTION MISE EN ÉVIDENCE PAR L'HYDROLYSE DE L'AMIDON AVEC DE L'ACIDE (Acid Hydrolysis of Polysuccharides. I. Starch). 10p. 8refs. CNRS-VIII bis 106.
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Trans. in French of Seikagaku (Japan) 1949, v.21, no.2, p.86-89.

Listner, Kurt and Russe, Arno.
PRODUCTION OF ACYLATED AROMATIC OR HYDROAROMATIC SULFONIC ACIDS OR THEIR SALTS. [1964] 1p
Order from OTS, SLA, or ETC $1.10 TT-64-16249

Trans. of abstract of German patent 647, 290, cl. 12 o, gr. 23, granted [16 June 28] by Oranienburger Chemische Fabrik (pub. in [Seifen-Ole-Fette-Wachse] (Germany) 1937, v. 64, p. 600).

Magat, Michel.
KINETICS OF POLYMERIZATION IN PRECIPITATING MEDIA. 17p 17refs
Order from SLA $1.60 TT-64-16441

Trans. of J[ournal of] Polymer Sci[ence] (U. S.) 1955, v. 16, p. 491-504.
Another trans. is available from SLA as no. 1015 (17)p.

Mardaleishvili, R. E., Pariiskii, G. B., Poltorak, V. A., and Voevodskii, V. V.
REACTION OF DEUTERIUM ATOMS WITH ALKENES: DEPENDENCE OF METHANE DEUTERATION ON THE DEUTERIUM ATOMS (D) IN SYSTEM. 10p 6refs
Order from OTS, SLA, or ETC $1.10 TT-64-16307

Trans. of #Akad[emiya] Nauk SSSR. Otdel[enie] Khim[icheskikh] Nauk. Izvest[iya] 1956 [no. 5] p. 516-524.

Margulis, M. A. and Gal'tsov, V. Ya.
INTENSIFYING OF CERTAIN PRODUCTION STAGES OF POLYOLEFINS. 5p 5refs
Order from OTS, SLA, or ETC $1.10 TT-64-16321

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR) 1961 [no.12] p. 837-839.

Natta, G., Pasquon, I., and Giachetti, E.
KINETICS OF THE POLYMERIZATION OF PROPYLENE WITH HETEROGENEOUS CATALYSTS OF HIGH STEREOSPECIFITY. I. OVERALL KINETICS OF THE POLYMERIZATION PROCESS. (Cinetica della Polimerizzazione del Propilene con Catalizzatori Eterogenei ad Elevata Stereospecificità. Nota I. Cinetica Globale del Processo di Polimerizzazione). [36]p (foreign text included) 11refs
Order from SLA $3.60 TT-64-16596

Trans. of la Chimica el'Industria (Italy) 1957, v. 39, no. 12, p. 993-1001.
Other translations are available from SLA mi$2.40, ph$3.30 as TT-59-15512 (20p) and mi$2.70, ph$4.80 as TT-61-10477 (28p)

Odo, Keijiro and Himizu, Seiji.
SYNTHESIS OF LYSINE. 11p 5refs
Order from SLA $1.60 TT-64-16444

Trans. of [Yuki Gosei Kagaku Kyokai Shi] (Japan) 1953, v. 11 [no. 10] p. 386-388.

Okubo, M. and Goto, R.
RÉACTION DE DÉCARBOXYLATION DES SELS D'ACIDES CARBOXYLIQUES. 2. DÉCOMPOSITION THERMIQUE DU SEL DE THORIUM D'ACIDE P-PHÉNYLACÉTIQUE (The Decarboxylation of Carboxylic Acid Salts. II. The Pyrolysis of Thorium Salts of Para-Substituted Phenylacetic Acids). 13p. (foreign text included) 6 refs. CNRS-VIII 139.
Order from OTS, ETC or CNRS $1.60 TT-63-26828

Trans. in French of Nihon Kagaku Zasshi (Japan) 1961, v.82, no.2, p.261-263.

Opfermann, A. C. J.
PROCESS FOR THE PREPARATION OF ALPHA-HYDROXY-BETA, BETA-DIMETHYL-GAMMA-HYDROXY-BUTYRAMIDE. 2p
Order from OTS, SLA, or ETC $1.10 TT-64-16647

Trans. of German patent 907,891, granted 29 Mar 54.

Ostaszynski, A. and Tuszko, W.
VITESSE DE RÉACTION DE CERTAINS COMPOSÉS AROMATIQUES DE FLUOR. I. ÉTUDES DU DINITROFLUOROBENZÈNE ET DU Di ET TRINITRO-FLUOROTOLUÈNES (O Szybkosci Reakcji Nieektorych Zwiazkow Fluoroaru Matycznych. I.) (On the Rate of Hydrolysis of Some Fluoroaromatic Compounds. I.). 18p. (foreign text included) 25refs. CNRS-VIII 144.
Order from OTS, ETC or CNRS $1.60 TT-63-26831

Trans. in French of Roczniki Chemii (Poland) 1961, v.35, p.1243-1250.

Palazzo, Francesco Carlo
FULMINIC (ACID) POLYMERIZATION AND METHYLENIC POLYMERIZATION. 9p 10refs
Order from SLA $1.10 TT-64-16512

Trans. of Gazz[etta] Chim[ica] Ital[iana] 1949, v. 79 [no. 1] p. 3-13.

Povenz, F.
CONCERNING THE INFLUENCE OF LIGHT ON THE REACTION OF SO_2 AND Cl_2 ON PARAFFINIC HYDROCARBONS. [Paper presented] at the Session of the German Bunsen Society for Physical Chemistry (no. 51) Lindau, 23 May 52. 7p
Order from SLA $1.10 TT-64-16555

Trans. of [Zeitschrift fur Elektrochemie (West Germany) [1952, v. 56, no. 8, p. 746-749].

Sadykov, A.S., Leont'ev, V.B. and others.
SOBRE LA CONFORMACION DE LA ANABASINA (O Konformatsii Anabazina) (On the Configuration of Anabasine). 12p. 15refs. CID:63-332.
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Trans. in Spanish of Uzbekskii Khimicheskii Zhurnal (USSR) 1960, no.6, p.53-57.

Samokhvalov, G.I., Miropol'skaya, M.A. and others.
SINTESIS DEL NEROL Y EL GERANIOL (K Sintezu Nerola i Geraniol) (Synthesis of Nerol and Geraniol). 15p. 6refs. CID:63-309
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Trans. in Spanish of #Zhurnal Obshchei Khimii (USSR) 1956, v.26, no.1, p.54-58.

Shorygina, N.V. and Kurochkina, G.I.
CONDENSACION DE LOS XILENOLES EN PRESENCIA DE UN CATALIZADOR ACIDO (Kondensatsiya Ksilenolov v Prisutstvii Kislogo Katalizatora) (Xylenol Condensation in the Presence of an Acid Catalyst). 9p. 3refs. CID:63-313.
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Trans. in Spanish of #Zhurnal Prikladnoi Khimii (USSR) 1958, v.31, no.1, p.144-146.

Speroni, G. and Bartoli, M.
ON NITRILE OXIDES. NOTE VIII. ON BENZONITRILE OXIDES. [16p] (7 figs 5 refs omitted) 3refs
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Trans. of unidentified Italian publication, n.d.

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Trans. of unidentified Italian publication, n.d.

Tsiklis, D. S. and Borodina, M. D.
ACETYLENE FORMATION BY ADIABATIC COMPRESSION OF METHANE. 5p 9refs
Order from OTS, SLA, or ETC $1.10 TT-64-16320

Trans. of Akad[emiya] Nauk [SSSR] Dokl[ady] 1961, v. 140 [no. 6] p. 1376-1379.

Yakubovich, A. Ya. and Motsarev, G. V.
FORMATION OF ORGANOMETALLIC COMPOUNDS AT THE REACTION OF AROMATIC SILANES WITH METAL CHLORIDES. I. FORMATION OF ALUMINUM ORGANIC COMPOUNDS AT THE REACTION OF PHENYL CHLORO SILANES WITH $AlCl_3$ [K Voprosu Obrazovaniya Metallorganicheskikh Soedinenii pri Vzaimodeistvii Aromaticheskikh Silanov s Khloridami Metallov. I. Obrazovanie Alyuminiiorganicheskikh Soedinenii pri Vzaimodeistvii Fenilkhlorsilanov s $AlCl_3$] Zelda D. Knowles, tr. 4 Nov 54, 16p 4refs [PSC no. 54-141].
Order from OTS, SLA, or ETC $1.60 TT-64-15561

Trans. of #Zhurnal Obshchei Khimii (USSR) 1953, v. 23, no. 5, p. 771-776.
Another trans. is available from SLA as RT-2065, 16p.

Yakubovich, A. Ya. and Motsarev, G. V.
SYNTHESIS OF ORGANO-ELEMENT COMPOUNDS OF THE AROMATIC SERIES BY THE REACTION OF THE ARYL SILANES WITH ALUMINUM CHLORIDE AND THE HALOGENIDES OF VARIOUS ELEMENTS. 1. ORGANO-PHOSPHORUS COMPOUNDS
Zelda Knowles, tr. 2 Nov 54, 16p 11refs [PSC no. 54-142].
Order from OTS, SLA, or ETC $1.60 TT-64-15560

Trans. of #Zhurnal Obshchei Khimii (USSR) 1953, v. 23, no. 9, p. 1547-1552.

Yamashita, T., Uchio, H. and Izumiya, N.
ÉTUDE DE LA RÉACTION DES PEPTIDES ET DES ESTERS PEPTIDIQUES AVEC LA NINHYDRINE (Studies on the Reaction of Ninhidrin with Peptides and Dipeptide Esters). 11p. (foreign text included) 13 refs. CNRS-XXVII 185.
Order from OTS, ETC or CNRS $1.60 TT-63-26601

Trans. in French of Nihon Kagaku Zasshi (Japan) 1959, v.80, no.7, p.767-769.

Yoshida [Zen-ichi] and Oda, R[yohei].
SYNTHESIS OF ORGANIC FLUORESCENT COMPOUNDS. PAPER 21. PREPARATION OF CYANURYL CHLORIDE. [1964] 6p 11refs
Order from SLA $1.10 TT-64-16039

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1953, v. 56, no. 2, p. 92-94.

Zemlyanskii, N.I.
OXIDACION DEL ACEITE DE TRANSFORMADORES POR EL OXIGENO DEL AIRE EN PRESENCIA DEL CLORO (Okislenie Transformatornogo Masla Kislorodom Vozdukha v Prisutstvii Khlora) (Oxidation of Transformer Oils by Air Oxygen in the Presence of Chlorine). 12p. 10refs. CID:63-345.
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Trans. in Spanish of #Zhurnal Prikladnoi Khimii (USSR) 1954, v.27, no.10, p.1136-1140.

Zemskov, I.F.
DIE REINIGUNG DER LUFT VON TETRAÄTHYLBLEIDÄMPFEN IN EINER KONTINUIERLICH ARBEITENDEN MEHRSTUFIGEN SORPTIONSANLAGE MIT AKTIVKOHLE-WIRBELSCHICHT (Removal of Tetraethyllead Vapor from Air in a Multistage Continuous Adsorption Unit in a Fluidized Bed of Activated Carbon). 15p.
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Trans. in German of #Zhurnal Prikladnoi Khimii (USSR) 1962, v.35, no.3, p.536-541.

Zemskov, I.F. and Sidel'nikova, G.I.
DIE ADSORPTION VON DIÄTHYLQUECKSILBER MIT AKTIVKOHLE (Adsorption of Diethylmercury by Activated Carbon). 9p.
Order from TIB $14.50

Trans. in German of #Zhurnal Prikladnoi Khimii (USSR) 1962, v.35, no.2, p.466-469.

Ziegler, Karl.
METAL ALKYLS - PROGRESS AND FUTURE POSSIBILITIES IN INDUSTRIAL CHEMISTRY. (Summary of lecture entitled: "Metal Organic Compounds as Intermediate Products and Catalysts," presented at the 31st International Congress for Industrial Chemistry in Luttich, 12 Sep 58). 1p
Order from SLA $1.10 TT-64-16386

Trans. of Chimie et Industrie (France) 1963, v. 90, no. 3, p. 145-146.

Ziegler, Karl, Holzkamp, E., Breil, H., and Martin, H.
THE MÜLHEIMER NORMAL PRESSURE POLYETHYLENE PROCEDURE. [1964] 14p (5 figs and 13 refs omitted)
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Ziegler, Karl, Holtzkamp, E., Breil, H., and Martin, H.
POLYMERIZATION OF ETHYLENE AND OTHER OLEFINS, COMMUNICATION 7. 3p 4refs
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Trans. of Angew[andte] Chem[ie] (West Germany) 1955, v. 67, p. 426.
Another trans. is available from SLA as II-819 (3)p.

Physical Chemistry

Abramov, G. A. and Lozhkin, L. N.
THE INFLUENCE OF CURRENT DENSITY, DISTANCE BETWEEN ELECTRODES AND TEMPERATURE ON THE CURRENT EFFICIENCY DURING THE ELECTROLYSIS OF ZINC CHLORIDE. 22p (9 figs omitted) 5refs
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Trans. of [Politekhnicheskii Institut Leningrad. Trudy.] (USSR) 1940, no. 4, p. 36-46.

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CALCUL DES RAYONS IONIQUES D'APRÈS LES VALEURS DE COAGULATION D'HYDROSOL DE CHLORURE DE L'ARGENT (Ionic Radii Calculated from Coagulation Values for Silver Chloride Hydrosols). 9p. CNRS-VIII bis 104.
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Trans. in French of Roczniki Chemii (Poland) 1949, v.23, p.380-387.

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Trans. of [Akademiya Nauk SSSR. Sektor Fiziko-Khimicheskogo Analiza. Izvestiya. 1952, v. 21, p. 228-249.
Another trans. is available from K-H $50.00 as K-H-5035 a 40p.

Bokhovkin, I.I.
ÉTUDE PHYSICO-CHIMIQUE DU SYSTÈME NITRATE D'ARGENT - NITRATE DE THALLIUM EN ÉTAT DE FUSION (Physiochemical Investigation of the System Silver Nitrate - Thallium Nitrate in the Fused State). 15p. 10refs. CNRS-VII 124.
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Trans. in French of #Zhurnal Obshchei Khimii (USSR) 1949, v.19, no.5, p.805-811.

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Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151 [no. 2] p. 392-395.

Delimarskii, Yu. K., Turov, P. P., and Gitman, E. B.
TRANSFERENCE NUMBERS IN MOLTEN LEAD HALIDES. 9p (2 figs omitted) 4refs
Order from OTS, SLA, or ETC $1.10 TT-64-16462

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) 1955, v. 21, no. 3, p. 314-317.

Drozdov, N. S.
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Trans. of Zhurnal Obshchei Khimii (USSR) 1933, v. 3, p. 351-359.

Gamali, I.V. and Stender, V.V.
ÜBERSPANNUNG ZWECKS ABSCHEIDUNG VON WASSERSTOFF AN MANGAN (Overvoltage of Hydrogen Evolution on Manganese). 13p.
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Trans. in German of #Zhurnal Prikladnoi Khimii (USSR) 1962, v.35, no.1, p.127-132.

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Trans. of [Génie Chimique (France) 1956, v. 76, no. 6, p. 172-177].

Gleim, V.G. and Lavrova, E.M.
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Trans. in German of Teploenergetika (USSR) 1963, v.10, no.4, p.55-57.

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Order from SLA $1.10 TT-64-10773

Trans. of Brennstoff-Chemie (Germany) 1929, v. 10, no. 10, p. 203-205.

Ivanovskaya, T.V.
SOBRE LAS PARTICULARIDADES DE LA SEPARACION ELECTROLITICA DE LOS METALES DEL GRUPO DEL HIERRO (Ob Osobennostyakh Elektroliticheskogo Vydeleniya Metallov Gruppy Zheleza) (Specific Characteristics of Electrolytic Separation of the Metals of the Iron Group). 4p. CID:63-373.
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Trans. in Spanish of Zhurnal Fizicheskoi Khimii (USSR) 1954, v.28, p.567.

Kan-Kogan, A.I.
LA SOBREPOLARIZACION EN LA ELECTRODEPOSICION ELECTROLITICA DE LA PLATA (Sverkhpolyarizatsiya pri Elektroliticheskom Vydelenii Serebra) (Superpolarization in Electrolytic Electrodeposition of Silver). 20p. 4refs. CID:63-377.
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Trans. in Spanish of #Zhurnal Fizicheskoi Khimii (USSR) 1959, v.33, p.1097-1104.

Kargin, V. A. and Sozolova, T. I.
EFFECTS OF MOLECULAR WEIGHTS ON THE MECHANICAL PROPERTIES OF CRYSTALLINE POLYMERS. [10p] 5refs
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Kemula, V. and Rakowska, E.
CYCLIC VOLTAMMETRY OF AQUEOUS SOLUTIONS OF CHROMIUM COMPOUNDS ON STATIONARY HANGING MERCURY DROP ELECTRODE: CHLORIDE COMPLEXES OF Cr^{III}. 20p 27refs
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Trans. of Roczniki Chemii (Poland) 1962, v. 36 [no. 2] p. 203-213.

Ketov, A. N. and Pechkovskii, V. V.
THERMAL DECOMPOSITION MECHANISM OF CALCIUM, STRONTIUM, AND BARIUM SULFITES. [1964] [6p].
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Trans. of Nauchnye Doklady Vysshei Shkoly. Khim[iya] i Khim[icheskaya] Tekhnol[ogiya] (USSR) 1958 [no. 4] p. 667-671.

Khan, O.A. and Dukhankina, L.S.
SOBRE LA SEPARACION CATODICA DEL ZINC A PARTIR DE DISOLUCIONES DE SULFATO DE ZINC CON ALTO CONTENIDO EN IONES DE HIERRO (O Katodom Vydelenii Tsinka iz Sul'fattsinkovykh Rastvorov s Vysokim Soderahzniem Ionov Zheleza) (Cathode Separation of Zinc from High Iron Ion Content Zinc Sulphate Solutions). 13p. 15refs. CID:63-387.
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Trans. in Spanish of #Zhurnal Prikladnoi Khimii (USSR) 1959, v.32, no.4, p.823-826.

Kolikov, V.M. and Perovskii, A.P.
SEPARATION DU ZIRCONIUM ET DU HAFNIUM PAR EXTRACTION DE LEURS NITRATES (Razdelenie Tsirkoniya i Gafniya priEkstraktsii ikh Nitratov) (Separation of Zirconium and Hafnium During Extraction of their Nitrates). 11p. 9refs.
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Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1961, v.34, no.12, p.2605-2608.

Kornienko, V. P., Dubrovskaya, M. N., and Shapovalova, G. M.
THERMAL DECOMPOSITION OF SOLID SALT SOLUTIONS. II. THERMOGRAPHY OF BINARY SOLID SOLUTIONS OF OXALATES OF FERROUS METALS. 19p 13refs
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Trans. of Ukr[ainskii] Khim[icheskii] Zhurnal (USSR) 1963, v. 29, no. 3, p. 271-278..

Korovin, S.S, Gribenik, E.N. and Komissarova, L.N.
EXTRACTION DE L'HAFNIUM A L'AIDE DE PHOSPHATE DE TRIBUTYLE (Ekstraktsiya Gafniya Tributilfosfatom) (Extraction of Hafnium with Tributyl Phosphate). 15p. 11refs. CNRS-VII 128.
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Trans. in French of #Zhurnal Neorganicheskoi Khimii (USSR) 1960, v.5, p.1876-1881.

Korshunov, I. A., Vertyulina, L. N., and Domrachev, G. A.
REDUCTION OF SANDWICH-TYPE CHROMIUM AROMATIC COMPOUNDS ON THE MERCURY DROP ELECTRODE. 4p 4refs
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Trans. of #Zh[urnal] Obshch[ei] Khim[ii] (USSR) 1962, v. 32, no. 1, p. 9-12.

Lipilina, I. I. and Samoilov, O. Ya.
THERMOCHEMICAL STUDY OF THE STRUCTURE OF DILUTE AQUEOUS SOLUTIONS OF URANYL CHLORIDA AND NITRATE Wallace Davis, Jr., tr. [1964] [10p].
Order from OTS, SLA, or ETC $1.10 AEC-tr-6265

Trans. of Akademiya Nauk SSSR. Doklady, 1954, v. 98, no. 1, p. 99-102.

Markov, B. F.
CORRELATION BETWEEN ELECTROMOTIVE FORCES OF CHEMICAL CELLS AND JACOBI-DANIEL CELLS IN MELTS. 10p 17refs
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Markov, B. F., Delimarskii, Yu. K. and Panchenko, I. D.
THERMODYNAMIC PROPERTIES OF LEAD CHLORIDE IN $PbCl_2$-LiCl, $PbCl_2$-NaCl, $PbCl_2$-KCl, AND $PbCl_2$-PbCl MELTS. 20p (7 figs and 4 tables omitted) 24refs
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Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1954, v. 28, no. 11, p. 1987-1998.
Other Translations are available from K-H $20.00 as K-H-5114a, 20p. and from SLA as RT-3727.

Natta, G., Pasquon, I. and Giachetti, E.
THE KINETICS OF THE STEROSPECIFIC POLYMERIZATION OF PROPYLENE TO ISOTACTIC POLYMERS. 16p 16refs
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Trans. of Angewandte Chemie (West Germany) 1957, v. 69 [no. 7] p. 213-[219]
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Novobranov, U.
ESTUDIO DE LAS PROPIEDADES DEL ACIDO ALGINICO.V.LOS ALGINATOS COMO EMULSIFICADORES (Issledovanie Svoistv Al'ginovoi Kisloty.V. Al'ginaty Kak Emil'gatory) (Study of Alginic Acid Properties.V.Alginates as Emulsifying Agents). 20p. 6refs. CID:63-365.
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Trans. in Spanish of Zhurnal Prikladnoi Khimii (USSR) 1946, v.19, p.517-526.

Pointelli, R.
PRINCIPLES AND EXAMPLES OF APPLICATION OF NEW DEVICES FOR MEASURING OVERVOLTAGES (I). Paper presented at the General Meeting of the German Bunsen Society for Physical Chemistry (no. 54) Goslar, 20 May 55. 21p (5 figs omitted) 12refs
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Trans. of Z[eitschrift] f[ür] Elektrochemie (West Germany) 1955, v. 59, no. 7/8, p. 778-784.
Another trans. is available from K-H $21.00 as K-H-5035-b (21)p.

Rozenfel'd, I.L. and Pavlutskaya, T.I.
SUR LA RELATION ENTRE LES RÉSISTANCES DE POLARISATION ET OHMIQUES DANS DES ÉLÉMENTS LOCALISÉS TRAVAILLANT SOUS UNE COUCHE MINCE D'ÉLECTROLYTE (Relation between the Polarization and Ohmic Resistance in Local Elements Which Operate Under Thin Layers of Electrolytes). 5p. 4refs. CNRS-VIII bis 401.
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Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1956, v. 30, no. 6, p. 1427-1428.

Samarin, A. M. and Shvartsman, L. A.
IONIC NATURE OF MELTS AND SOLUBILITY OF OXIDES AND SULFIDES THEREIN. 10p 9refs
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Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1946, v. 20, no. 2, p. 189-193.
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Shishido, S[hunsuke].
ELECTROLYTIC CONDUCTIVITY OF FUSED SALTS, REPTS. 14-15. 25p (4 figs omitted) 3refs
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Trans. of [Nihon Kagaku Zasshi] (Japan) 1948, v. 69, [no. 4/6] p. 45-52.

Smirnova, V. I. and Ormont, B. F.
RELATION OF HEATS AND FREE ENERGIES OF FORMATION OF TANTALUM CARBIDES TO PHASE AND CHEMICAL COMPOSITION
S. Shewchuck, tr. [1964] 7p 25refs.
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Trans. of Akademiya Nauk SSSR. Doklady, 1955, v. 100, no. 1, p. 127-130.

Strohmeier, W. and Nutzel, K.
THE DIPOLE MOMENT OF ZINC DIETHYL IN HEPTANE BENZENE AND DIOXANE. 9p 22refs
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Trans. of Zeitschrift für Elektrochemie (West Germany) 1955, v. 59 [no. 6] p. 538-[542].

Terent'ev, A. P.
REVERSIBLE CHANGES OF pH SOLUTIONS OF CERTAIN ORGANIC SUBSTANCES DURING EXPOSURE Sergey Shewchuck, tr. Sep 63 [6p].
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Trans. of Akademiya Nauk SSSR. Doklady, 1949, v. 68, p. 537-539.

Tsuchiya, Ryokichi.
OXIDATION EQUILIBRIUM OF MAGNESIUM ELECTROLYTIC SOLUTION III. OXIDATION EQUILIBRIUM OF THE MIXED SOLUTION OF MAGNESIUM CHLORIDE WITH POTASSIUM OR SODIUM CHLORIDE. 11p (2 figs omitted) 2refs
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Trans. of [Denki Kagaku] (Japan) 1949, v. 17, (no. 5) p. 76-79.

Tsyb, P.P. and Mal'tsov, V.I.
AMALGAMELEKTROLYTISCHE REINSTDARSTELLUNG VON INDIUM (Removal of Microimpurities from Indium by Electrolysis with Mercury Electrodes). 10p.
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Trans. in German of #Zhurnal Prikladnoi Khimii (USSR) 1962, v. 35, no. 7, p. 1565-1570.

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Trans. of Z[eitschrift] für Elektrochemie (West Germany) 1956, v. 60 [no. 8] p. 774-[782].

Wilski, H.
POLYMERIZATION OF POLYETHYLENE WITH ULTRAVIOLET LIGHT (Vernetzung von Polyäthylen mit UV-Licht). [25p] (foreign text included) 23refs
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Trans. of Angew[andte] Chem[ie] (West Germany) 1959, v. 71, no. 19, p. 612-618.
Another trans. is available from ATS $18.25 as ATS-77M37G, 14p.

EARTH SCIENCES

Usdowski, Hans-Eberhard.
THE GENESIS OF THE CONE-SHAPED MARL OR NAIL-LIMESTONE (CONE-IN-CONE). 31p 15refs
Order from SLA $3.60 TT-64-16424

Trans. of Beiträge zur Mineralogii und Petrographie (West Germany) 1963, v. 9 [no. 2] p. 95-110.

Climatology and Meteorology

Chu, K'o-chen.
CHARACTERISTICS OF OUR COUNTRY'S CLIMATE AND THEIR RELATIONSHIP WITH THE PRODUCTION OF GRAIN AND OTHER FOODSTUFF. 19 May 64, 18p 29refs JPRS: 24654 (p. 1-18).
Order from OTS $1.25 in TT-64-31283 (p. 1-18)

Trans. of K'o Hsüeh T'ung Pao (Chinese People's Republic) 1964, no. 3, p. 189-199.

Pinus, N. Z.
VERTICAL MOTION IN THUNDERCLOUDS (Vertikal'nye Dvizheniya v Grozovykh Oblakakh) J. W. Palmer, tr. Feb 64 [7p] 5refs RAE Library Trans. 1058.
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Trans. of A[kademiya] N[auk] SSSR. D[oklady] 1963, v. 150, no. 4, p. 788-790.
Another trans. is available from OTS $0.50 as TT-63-31694, JPRS-20956, 6 Sep 63, 5p.

Geodesy

SURVEYING GROUND WATER IN NORTHWEST CHINA AND INNER MONGOLIA ARID AREAS. 21 May 64, 3p JPRS: 24701 (p. 1-3).
Order from OTS $0.75 in TT-64-31302 (p. 1-3)

Trans. from Kuang Ming Jih Pao (Chinese People's Republic) 1964, 9 Apr, p. 2.

Nagy, Jeno.
STUDIES ON THE ACCURACY OF POINT-CONCENTRATION WITHIN A MODEL. 21 May 64, 15p 5refs JPRS: 24700.
Order from OTS $0.50 TT-64-31301

Trans. of Geodezia es Kartografia (Hungary) 1964, v. 16, no. 1, p. 23-34.

Szangolies, K.
THE EFFECTS OF REFRACTION AND THE CURVATURE OF THE EARTH ON AERIAL PHOTOGRAMMETRY. [10p] (10 figs. omitted) 7refs. RIS E-728.
Order from OTS, SLA or ETC $1.10 TT-61-28934

Trans. of Vermessungstechnik (East Germany) 1960, v. 8, no. 4, p. 99-102.
Also available from RIS $15.00 as RIS E-728.

Geology

Fang, Wei-chin.
INVESTIGATION OF THE ELASTIC PROPERTIES OF ROCKS UNDER HIGH ISOSTATIC PRESSURES. 23 Mar 64 [41p] 27refs FTD-TT-63-725.
Order from OTS, SLA, or ETC $4.60 TT-64-15400

Trans. of [Wu] Li Hsüeh Pao (Chinese People's Republic) 1962 [v. 18] no. 1, p. 28-46.

Six, P.
CONTRIBUTION TO THE STUDY OF PERMEABILITY OF POROUS ROCK TO A LIQUID. 31p 8refs
Order from SLA $3.60 TT-64-16421

Trans. of Revue [de l'] Institut Français du Pétrole [et Annales des Combustibles Liquides] 1962, v. 17, no. 12, p. 1454-1472.

Oceanography

Elizarov, A. A.
THE PROGRESS OF THE FISHERY ON THE NORTHERN SLOPE OF GOOSE BANK IN RELATION TO THE HYDROLOGICAL CONDITIONS. 1962 [10p] (fig omitted) 7refs [DSIR] NLL M. 3786.
Order from OTS, SLA, or ETC $1.10 TT-64-15208

Trans. of P[olyarnyi] N[auchno]-I[ssledovatel'skii Institut Morskogo] R[ybnogo Khozyaistva i] O[keanografii]. Trudy (USSR) 1959, v. 11, p. 142-148.

Izhevskii, G. K.
OCEANOLOGICAL PRINCIPLES AS RELATED TO THE FISHERY PRODUCTIVITY OF THE SEAS A. Birron and Z. S. Cole, trs. 1964, 186p 192refs PL-480 Int.
Order from OTS $2.00 TT-63-11120

Trans. of mono. Okeanologicheskie Osnovy Formirovaniya Promyslovoi Produktivnosti Morei, Moscow, 1961, [215p].

Ovchinnikov, I. M.
CIRCULATION OF WATERS IN THE NORTHERN INDIAN OCEAN DURING THE WINTER MONSOON (Tsirkulyatsiya Vod Severnoi Chasti Indiiskogo Okeana v Period Zimnego Mussona) R. Wilson, tr. [1964] [12p] (foreign text included) [CSVRO] Trans. 6653.
Order from OTS, SLA, or ETC $1.60 TT-64-15436

Trans. of Okeanologicheskie Issledovaniya (USSR) 1961, no. 4, p. 18-24.

Sushchenya, L. M.
THE CHLOROPHYLL CONTENT OF PLANKTON IN THE AEGEAN, IONIAN AND ADRIATIC SEAS (Soderzhanie Khlorofilla v Planktone Egeiskogo, Ionicheskogo i Adriaticheskogo Morei). [1964] [21p] (foreign text included) 21refs [CSIRO Trans. no.] 6767.
Order from OTS, SLA, or ETC $2.60 TT-64-15416

Trans. of Okeanologiya (USSR) 1961, v. 1, no. 6, p. 1039-1045.

Tantsiora, A. I.
THE CURRENTS OF THE BARENTS SEA. 1962 [23p] (figs omitted) 80refs [DSIR] NLL M.3785.
Order from OTS, SLA, or ETC $2.60 TT-64-15209

Trans. of P[olyarnyi] N[auchno]-I[ssledovatel'skii Institut Morskogo] R[ybnogo Khozyaistva i] O[keanografii]. Trudy (USSR) 1959, v. 11, p. 35-53.

Physics of the Atmosphere

PHENOMENA IN THE UPPER ATMOSPHERE: COMPILATION OF ABSTRACTS. Rept 43 reviewing Soviet Developments in Selected Problems in Astrophysics and Geophysics; AID Work Assignment 3. 29 Apr 64 [22p] 15refs AID Rept. P-64-31.
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Atmospheric electricity
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PHENOMENA IN THE UPPER ATMOSPHERE: COMPILATION OF ABSTRACTS. Rept 44 reviewing Soviet Developments in Selected Problems in Astrophysics and Geophysics; AID Work Assignment 3. 24 Apr 64 [20p] 22refs AID Rept P-64-30.
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Contents:
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Solar radiation and the ionosphere
Van allen belts and cosmic rays
Telluric currents
Meteorology of the upper atmosphere.

PHENOMENA IN THE UPPER ATMOSPHERE: COMPILATION OF ABSTRACTS. Rept. no. 45 reviewing Soviet Developments in Selected Problems in Astrophysics and Geophysics; AID Work Assignment no. 3. 12 May 64 [20p] AID Rept. P-64-34; AD-600-051.
Order from OTS, SLA or ETC $1.60 TT-64-15403

Contents:
Solar Radiation and the Ionosphere.
Van Allen Belts and Cosmic Rays.
Atmospheric Electricity.
Meteorology of the Upper Atmosphere.

PHENOMENA IN THE UPPER ATMOSPHERE: COMPILATION OF ABSTRACTS FROM SOVIET-BLOC LITERATURE. Rept. no. 46 reviewing Soviet Developments in Selected Problems in Astrophysics and Geophysics; AID Work Assignment no. 3. 1 May 64 [16p] AID Rept. P-64-32; AD-600 050.
Order from OTS, SLA, or ETC $1.60 TT-64-15404

Contents:
Solar Radiation and the Ionosphere.

[Devyateva, V. A., ed.].
HANDBOOK OF THE HIGH-ALTITUDE VERTICAL-HORIZONTAL SOUNDING OF THE ATMOSPHERE IN THE IL-28 AIRCRAFT. 20 Mar 64 [194p] FTD-TT-63-619; AD-600 134.
Order from OTS $3.00 TT-64-11651

Unedited rough draft trans. of mono. Rukovodstvo po Vysotnomu Vertikal'no-Gorizontal'nomu Zondirovaniyu Atmosfery na Samolete IL-28, Moscow, 1962 [149p].

Marov, M. Ya.
THE DENSITY OF THE UPPER ATMOSPHERE AT HEIGHTS OF 200-230 KM (Plotnost' Verkhnei Atmosfery na Vysotakh 200-230 KM)
J. W. Palmer, tr. Mar 64 [7p] 5refs RAE Library Trans. 1060.
Order from OTS, SLA, or ETC $1.60 TT-64-15588

Trans. of Kosmicheskie Issledovaniya (USSR) 1963, v. 1, no. 1, p. 143-146.
An unedited rough draft trans. is available from OTS or SLA $19.75 in 63-24260, FTD-TT-63-968 (p. 256-261).

ENGINEERING

EAST EUROPEAN SCIENTIFIC ABSTRACTS: ELECTRONICS AND ENGINEERING NO. 17. 20 May 64, 3p JPRS: 24687.
Order from OTS $0.50 TT-64-31295

Consists of abstracts of articles from selected scientific and technical journals of Poland and Rumania.

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ENGINEERING NO. 9. 14 May 64, 100p JPRS: 24620.
Order from OTS $2.50 TT-64-31267

Consists of abstracts of articles from selected Soviet scientific and technical journals.

Andreev, L. A.
MECHANICAL CLEANING OF TUBS. [4p] NCB Trans. A. 2317/JG; DSIR-NLL-9022.66.
Order from OTS, SLA, or ETC $1.10 TT-64-15267

Trans. of Ugol' (USSR) 1963, v. 38, no. 1, p. 37-38.

Davidov, M.P.
PERFORACION RAPIDA DE UN POZO DE MINA (Skorostnaya Prokhodka Shakhtnogo Stvola) (Rapid Drilling of a Mine Shaft). 40p. CID:63-321.
Order from OTS, ETC or CID $3.60 TT-63-26721

Trans. in Spanish of Ugol'(USSR) 1953 [v. 28] no. 7, p.1-9.

DESCRIPTORS: Mining engineering, *Drilling machines.

Ermochenko, M.I.
ACERCA DEL ENSAYO DE CONSTRUCCIONES DE UN CANAL PRINCIPAL CON BULLDOZERS (Iz Opyta Vozvedeniya Magistral'nogo Kanala Bul'dozerami) (Building Tests of a Main Canal with Bulldozers). 16p. CID:63-324.
Order from OTS, ETC or CID $1.60 TT-63-26724

Trans. in Spanish of Gidrotekhnicheskoe Stroitel'stvo (USSR) [1954] v. 23, no. 8, p. 47-51.

DESCRIPTORS: Bulldozers, *Inland waterways.

Grafov, L. G.
RESEARCH IN THE KUZBASS COAL INDUSTRY (Nauchno-Issledovatel'skie Raboty v Ugolnoi Promyshlennosti Kuznetskogo Basseina). Jul 63 [20p] S. M. R. E. Trans. no. 4875; DSIR NLL-8313.4.
Order from OTS, SLA, or ETC $1.60 TT-64-15387

Trans. of mono. Razvitie i Sovershenstvovanie Tekhniki Dobychi Uglya (Development and Improvement of Coal-Winning Equipment) Moscow, 1962, chap. 14, p. 338-354.

Heins, W.
AN EXPERIMENTAL AND THEORETICAL INVESTIGATION OF THE SNATCH FORCE FOR A RIBBON PARACHUTE. [1964] 7p (1 fig omitted) 9refs
Order from SLA $1.10 TT-64-16031

Trans. of Z[eitschrift für] Flugwiss[enschaften] (West Germany) 1961, v. 9, no. 12, p. 383-87.

Imas, A. D. and Solomko, V. P.
THE PHYSICAL ESSENCE OF COAL AND ROCK DESTRUCTION BY CUTTING TOOLS. [9p] (refs omitted) NCB Trans. A. 2269/JG; DSIR NLL-9022.66.
Order from OTS, SLA, or ETC $1.10 TT-64-13028

Trans. of Ugol' (USSR) 1962, v. 37, no. 2, p. 24-28.

Klorikyan, S. Kh. and Paramonov, V. I.
RESULTS OF TRIALS OF MECHANISED ADVANCING FACE SUPPORTS. [1963] [10p] 1ref NCB Trans. A. 1864/JG; [DSIR] NLL M. 5013.
Order from OTS, SLA, or ETC $1.10 TT-64-13287

Trans. of Ugol' (USSR) 1959, v. 34, no. 8, p. 27-32.

Pavlov, V. A.
GYROSCOPIC EFFECT, ITS PHENOMENA AND APPLICATION: [CHAPS. 4, 7-8]. 29 Jan 64 [81p] (figs omitted) FTD-TT-63-837; AD-600 041.
Order from OTS $2.25 TT-64-11639

Unedited rough draft translation of mono. Giroskopicheskii Effekt, Ego Proyavleniya i Ispol'zovanie, Leningrad, 1961, p. 52-75, 118-147.

Shmulevich, I.L.
PERFORACION RAPIDA DE UNA GALERIA TRANSVERSAL (Skorostnaya Prokhidka Kvershlaga) (Rapid Drilling of a Transverse Gallery). 25p. CID:63-310
Order from OTS, ETC or CID $2.60 TT-63-26710

Trans. in Spanish of Ugol' (USSR) 1955, v.30, no.12 p.5-11.

DESCRIPTORS: *Underground structures, Construction, Drilling machines.

Sonin, S. D., Sheikhet, M. N., and Chernyak, I. L.
COMBATING FLOOR HEAVE IN MINE HEADINGS BY FIRING CAMOUFLET CHARGES. [1963] [9p] NCB Trans. A. 2046/JG; [DSIR] NLL M. 3937.
Order from OTS, SLA, or ETC $1.10 TT-64-13293

Trans. of Shakhtnoe Stroitel'stvo (USSR) 1961, v. 5, no. 3, p. 8-10.

Ugolnikov, V. F.
EFFICIENT CHAIN SHAPE. [1963] [5p] NCB Trans. A. 2144/SEH; [DSIR] NLL M. 5014.
Order from OTS, SLA, or ETC $1.10 TT-64-13288

Trans. of Ugol' Ukrainy (USSR) 1961, v. 5, no. 8, p. 27-28.

Chemical Engineering

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL MACHINE BUILDING NO. 45. 14 May 64, 11p JPRS: 24622.
Order from OTS $0.50 TT-64-31268

Trans. of 21 selected news briefs from Nov 63-Mar 64 issues of 11 Russian newspapers and periodicals.

Amelin, A.G.
SITUATION ET OBJECTIFS DE L'INDUSTRIE DE L'ACIDE SULFURIQUE AU COURS DU PLAN SEPTENNAL ACTUEL (Sostoyanie i Zadachi Sernokislotnoi Promyshlennosti v Tekushchem Semiletii) (State and Problems of the Sulfuric Acid Industry in the Current Sevenyear Plan) 26p. (foreign text included) 6 refs. CNRS-VI 875.
Order from OTS, ETC or CNRS $2.60 TT-63-26610

Trans. in French of Vsesoyuznoe Khimicheskoe Obshchestvo. Zhurnal (USSR) 1962, v.7, no.1, p.18-24.

DESCRIPTORS: *Sulfuric acid, Industries, Production, Materials, Energy, Documentation.

Andreev, N. Z., Makashina, A. N., and Mal'tseva, A. E.
INVESTIGATION, PURIFICATION AND POLYMERIZATION WITH SODIUM OF 1, 3-BUTADIENE OBTAINED BY PYROLYSIS OF OIL. 12p 9refs
Order from OTS, SLA, or ETC $1.60 TT-61-16677

Trans. of Sinteticheskii Kauchuk (USSR) 1934 [v. 3] no. 3, p. 12-19.

Gorin, Yu. A. and Kogan, F. N.
HYDROGENATION REACTIONS OCCURRING IN CONTACT CONVERSION OF ETHYL ALCOHOL TO 1,3-BUTADIENE BY THE METHOD OF LEBEDEV. [1961] 5p 5refs
Order from OTS, SLA, or ETC $1.10 TT-61-16987

Trans. of Sinteticheskii Kauchuk (USSR) 1936 [v. 5] no. 11/12, p. 6-9.

Gorin, Yu. A., Neimark, O. M., and Kogan, F. N.
CHANGES IN THE PROCESS OF CONTACT CONVERSION OF ETHYL ALCOHOL TO BUTADIENE DUE TO FATIGUING OF THE CATALYST. 6p 6refs
Order from OTS, SLA, or ETC $1.10 TT-61-18042

Trans. of Sinteticheskii Kauchuk (USSR) 1935 [v. 4] no. 5, p. 6-10.

Grams, E. and Gaube, E.
THE NEW LOW-PRESSURE POLYETHYLENES, THEIR PROPERTIES AND FIELDS OF APPLICATION. [1964] 33p (16 figs and 9refs omitted) 10refs
Order from SLA $3.60 TT-64-16151

Trans. of Angewandte Chemie (West Germany) 1955, v. 67, no. 19/20, p. 548-556.
Other translations are available from SLA $1.60 as TT-62-10013 (18p); $2.60 as TT-62-20064 (22p), ES$8.00 (21p) and from KH $41.25 as K-H-3805.

Grinenko, B. S.
PRODUCTION OF ACETYLENE BY OXIDATIVE PYROLYSIS OF METHANE. 7p 11refs
Order from OTS, SLA, or ETC $1.10 TT-64-16562

Trans. of Khim[iya] i Tekhn[ologiya] Topliv [i Masel] (USSR) 1956 [v. 1] no. 10, p. 18-25.

Kazanskii, B. A. and Rafil'zon, L. A.
PREPARATION OF 1, 3-BUTADIENE FROM 2-BUTENE. 5p 8refs
Order from OTS, SLA, or ETC $1.10 TT-61-16629

Trans. of Sinteticheskii Kauchuk (USSR) 1934 [v. 3] no. 1, p. 31-34.

Klyukvin, N. A.
SYNTHESIS OF 1, 3-BUTADIENE FROM MIXTURES OF ETHYLENE AND ACETYLENE. 6p
Order from OTS, SLA, or ETC $1.10 TT-61-16699

Trans. of Sinteticheskii Kauchuk (USSR) 1934 [v. 3] no. 3, p. 37-41.

Koblyanskii, G. G. and Ivanova, E. I.
STAGES OF THE PROCESS OF POLYMERIZATION OF TECHNICAL 1, 3-BUTADIENE IN THE PRESENCE OF METALLIC SODIUM. 4p
Order from OTS, SLA, or ETC $1.10 TT-61-16995

Trans. of Sinteticheskii Kauchuk (USSR) 1935 [v. 4] no. 3, p. 11-12.

Koblyanskii, G. G. and Livshits, L. A.
LOW BOILING COMPONENTS OF BUTADIENE MIXTURES WHICH RETARD POLYMERIZATION WITH SODIUM [1961] 8p
Order from OTS, SLA, or ETC $1.10 TT-61-16951

Trans. of Sinteticheskii Kauchuk (USSR) 1934 [v. 3] no. 4, p. 3-7.

Koblyanskii, G. G. and Piotrovskii, K. B.
BUTADIENE ANDITS POLYMERS, I. 6p 8refs
Order from OTS, SLA, or ETC $1.10 TT-61-18029

Trans. of Sinteticheskii Kauchuk (USSR) 1936 [v. 5] no. 3, p. 3-7.

Koblyanskii, G. G. and Rokityanskii, I. V.
BUTADIENE AND ITS POLYMERS, II. 8p 8refs
Order from OTS, SLA, or ETC $1.10 TT-61-18028

Trans. of Sinteticheskii Kauchuk (USSR) 1936 [v. 5] no. 6, p. 2-7.

Kofman, L. S. Bessmertnaya, N. S., Ivanova, E. A., Sibiryakova, G. N., and Zapryagaev, G. A.
PRODUCTION OF 1,3-BUTADIENE AND AROMATIC HYDROCARBONS BY PYROLYSIS OF HIGHER HYDROCARBONS OF THE CONDENSATE OBTAINED IN CONVERSION OF ETHYL ALCOHOL TO BUTADIENE. 9p 19refs
Order from OTS, SLA, or ETC $1.10 TT-61-16674

Trans. of Sinteticheskii Kauchuk (USSR) 1934 [v. 3] no. 3, p. 7-12.

Kohurin, A. D., Obrezkov, V. D., and Sibarov, D. A.
ELECTROCRACKING OF SULPHUR-CONTAINING PETROLEUM FRACTIONS TO OBTAIN ACETYLENE, OLEFINS, HYDROGEN, CARBON-BLACK AND SULPHUR-CONTAINING PRODUCTS. [7p] 15refs
NCB Trans. A.2276/SEH; DSIR NLL-9022.66.
Order from OTS, SLA, or ETC $1.10 TT-64-13228

Trans. of #Zhurnal Prikladnoi Khimii (USSR) 1963, v. 36, no. 2, p. 424-428.

Kozlov, N. and Fedoseev, P.
CONDENSATION OF ETHYLENE WITH ACETYLENE. 4p 3refs
Order from OTS, SLA, or ETC $1.10 TT-61-16682

Trans. of Sinteticheskii Kauchuk (USSR) 1934 [v. 3] no. 5, p. 36-38.

Livshits, I. A. and Sinaiskii, G. M.
CONTROL OF THE CONTACT PROCESS. [1961] 6p 5refs
Order from OTS, SLA, or ETC $1.10 TT-61-16986

Trans. of Sinteticheskii Kauchuk (USSR) 1936 [v. 5] no. 6, p. 17-21.

Lur'e, M. A., Marushkin, M. N., Afanas'ev, M. M., Pimenov, A. I., and Vasil'eva, G. N.
ISOLATION OF 1,3-BUTADIENE FROM MIXTURES WITH OTHER GASES WITH CUPROUS CHLORIDE. 18p 7refs
Order from OTS, SLA, or ETC $1.60 TT-61-16998

Trans. of Sinteticheskii Kauchuk (USSR) 1934 [v. 3] no. 6, p. 19-29.

Lur'e, M. A., Marushkin, M. N., Chistov, V. O., and Shlosberg, M. A.
REACTION OF CUPROUS CHLORIDE WITH DIENES. 10p
Order from OTS, SLA, or ETC $1.10 TT-61-16997

Trans. of Sinteticheskii Kauchuk (USSR) 1934 [v. 3] no. 6, p. 13-18.

Nadziakiewicz, Julian and Heilpern, Stanislawa.
THE HYDROLYTIC DESTRUCTION OF BLACK COAL TO PRODUCE MATERIALS OF INDUSTRIAL VALUE (Hydrolityczna Obdudowa Wegla Kamiennego na Produkty o Znaczeniu Przemystowym). [9p] 10refs.
Order from OTS, SLA, or ETC $1.10 TT-60-17116

Trans. of Koks, Smola, Gaz (Poland) 1959, v. 4, no. 5/6, p. 211-215.

Ognevskii, A. F., Shishkin, I. P., and Kryuchkov, A. P.
POLYMERIZATION OF BUTADIENE CONTAINED IN THE GASES REMOVED FROM POLYMERIZERS. Preliminary Communication. 2p
Order from OTS, SLA, or ETC $1.10 TT-61-16678

Trans. of Sinteticheskii Kauchuk (USSR) 1935 [v. 4] no. 2, p. 23.

Pankov, G. A. and Malinkina, A. S.
ADSORPTION OF BUTADIENE FROM SCRUBBED GASES WITH ACTIVATED CARBON. 6p 1ref
Order from OTS, SLA, or ETC $1.10 TT-61-18048

Trans. of Sinteticheskii Kauchuk (USSR) 1935 [v. 4] no. 1, p. 37-42.

Savel'ev, A. I., Arbidan, O. G., and Zlatogurskii, A. V.
THERMAL POLYMERIZATION OF 1,3-BUTADIENE IN THE PRESENCE OF BUTADIENE-SOLUBLE COPPER SALTS OF SOME HIGH MOLECULAR ORGANIC ACIDS. 6p 4refs
Order from OTS, SLA, or ETC $1.10 TT-61-16949

Trans. of Sinteticheskii Kauchuk (USSR) 1936 [v. 5] no. 4, p. 18-22.

Shvemberger, V. I., Dolin, P. I., Zolotarev, S. S., Okhapkina, N. F., and Nikolaev, L. I.
FRACTIONATION OF GASES FROM PYROLYSIS OF OIL WITH ACTIVATED CARBON. 11p 7refs
Order from OTS, SLA, or ETC $1.60 TT-61-18047

Trans. of Sinteticheskii Kauchuk (USSR) 1935 [v. 4] no. 4, p. 13-23.

Slin'ko, M.G. and Ostrovskii, G.M.
APPLICATION DES MACHINES À CALCULER À LA COMMANDE DES PROCESSUS CATALYTIQUES PAR CONTACT (O Primenenii Vychislitel'nykh Mashin Dlya Ugravleniya Kontaktnymi Protsessami) (Application of Computers in Control of Contact Processes). 25p. (foreign text included) 6 refs. CNRS-XIV 51.
Order from OTS, ETC or CNRS $2.60 TT-63-26603

Trans. in French of Khimicheskaya Promyshlennost' (USSR) 1962, no. 3, [p. 153-159].

DESCRIPTORS: Catalysts, *Catalysis, *Computers, *Models (simulations), Mathematics, Command and control systems.

Smirnov, N. I.
EFFECT OF TEMPERATURE AND CONTACT PERIOD ON THE CONVERSION OF ETHYL ALCOHOL TO 1,3-BUTADIENE. 13p 4refs
Order from OTS, SLA, or ETC $1.60 TT-61-18093

Trans. of Sinteticheskii Kauchuk (USSR) 1934 [v. 3] no. 1, p. 13-22.

Stamm, H. and Arens, H.
DEFOAMER. 4p
Order from OTS, SLA, or ETC $1.10 TT-64-16642

Trans. of German patent 883,589, by Th. Goldschmidt. A.G., granted 20 July 53.

Strigel, R.
THE PRINCIPLES OF ELECTRICAL GAS PURIFICATION. [1964] [26]p (9 figs omitted) 44refs
Order from SLA $2.60 TT-64-16237

Trans. of die Naturwissenschaften (Germany) 1931, v. 19, no. 29, p. 626-634.

Usachev, V.V. and Dmitriev, P.P.
FRACTIONNEMENT DES N-PARAFFINES PAR DÉCOMPOSITION DE LEUR COMPLEXE AVEC L'URÉE (Fraktsionirovanie N-Parafinov Razlozheniem Karbamidnogo Kompleksa) (Fractionation of Normal Paraffins by Decomposition of Their Urea Adducts). 23p. (foreign text included) 6 refs. CNRS-XXXXV 52
Order from OTS, ETC or CNRS $2.60 TT-63-26823

Trans. in French of Uzbekskii Khimicheskii Zhurnal (USSR) 1961, no.3, p.64-74.

DESCRIPTORS: *Petroleum, *Waxes, Separation, Ureides, Complex compounds, Decomposition.

Voronov, F. N., Voronova, A. V., Zlatopol'skii, F. S., Okhapkina, N. A., and Fedoseev, F. I.
CRACKING OF ETHYLENE. 13p 8refs
Order from OTS, SLA, or ETC $1.60 TT-61-18052

Trans. of Sinteticheskii Kauchuk (USSR) 1933 [v. 2] no. 3, p. 5-12.

Winter, H. and Flamm, A.
MILLING EXPERIMENTS WITH A FULLER-PETERS-MILL. [1964] [26]p (12 figs omitted)
Order from SLA $2.60 TT-64-16246

Trans. of Brennstoff-Wärme-Kraft (West Germany) 1953, v. 5, no. 2, p. 45-49

Zavalkov, V. M.
TECHNOLOGY OF POLYMERIZATION OF 1,3-BUTADIENE. 21p
Order from OTS, SLA, or ETC $2.60 TT-61-16680

Trans. of Sinteticheskii Kauchuk (USSR) 1934 [v. 3] no. 2, p. 15-29.

Zelinskii, Ya. L., Denisenko, Ya. L., Eventova, M. S., and Khromov, S. L.
SOME OBSERVATIONS ON POLYMERIZATION OF BUTADIENE, ISOPRENE, DIMETHYLBUTADIENE AND CYCLOHEXADIENE. 6p 7refs
Order from OTS, SLA, or ETC $1.10 TT-61-18030

Trans. of Sinteticheskii Kauchuk (USSR) 1933 [v. 2] no. 4, p. 11-14.

Zhudov, I. I., Simkhovich, F. M., Talmud, S. L., Nikol'skaya, V. P.
FRACTIONATION OF SODIUM-BUTADIENE POLYMERS. 13p 12refs
Order from OTS, SLA, or ETC $1.60 TT-61-16994

Trans. of Sinteticheskii Kauchuk (USSR) 1935 [v. 4] no. 2, p. 6-16.

Electrical and Electronic Engineering

COAXIAL DOUBLE-SLOTTED MEASURING LINE. 28 Feb 64 [4p] FTD-TT-64-6.
Order from OTS, SLA, or ETC $1.10 TT-64-15227

Trans. of unidentified mono. pub. by Komitet Standartov Mer i Izmeritel'nykh Priborov pri Sovete Ministrov SSSR, n.p., 1962, 1p.

Aleksandrov, G.N. and Ivanov, V.L.
UNTERSUCHUNG DER ELEKTRISCHEN FESTIGKEIT DER LUFTABSTÄNDE UND DER ISOLATORKETTEN BEI DER EINWIRKUNG VON INNEREN ÜBERSPANNUNGEN (Electrical Strength of Air Gaps and Insulator Strings under the Action of Switching Surges). 14p.
Order from TIB $15.00

Trans. in German of #Elektrichestvo (USSR) 1962, no. 9, p. 33-38.

DESCRIPTORS: *Electric insulation.

Biber, L. A.
ERRORS IN GALVANOMETERS APPLIED AS INTEGRATORS. 19p 5refs
Order from OTS, SLA, or ETC $1.60 TT-64-16567

Trans. of Elektrichestvo (USSR) 1960, no. 3, p. 77-81.

Botvinnik, Mikhail Moiseevich.
ASYNCHRONIZED SYNCHRONOUS MACHINES. International Series of Monographs on Electronics and Instrumentation, v. 21
L. A. Thompson, tr. 1964, 75p
Order from Macmillan Co., 60 Fifth Ave., New York, 11, N. Y. $5.00

Trans. of mono. [Asinkhronizirovannaya Sinkhronnaya Mashina, Moscow, 1960, 67p].

Bruk, I. S.
PROBLEMS IN THE FIELD OF AUTOMATIC CONTROL OF POWER SYSTEM OPERATION AND FUTURE PROSPECTS FOR THE UTILIZATION OF COMPUTER TECHNOLOGY (O Zadachakh v Oblasti Avtomatizatsii Upravleniya Rezhimom Energosistem i Perspektivkakh Vychislitel'noi Tekhniki). 19 Apr 63 [9p] AEI Ref. T. P. /T. 3378; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.10 TT-63-24547

Trans. of Elektrichestvo (USSR) 1957, no. 12, p. 31-34.

Buhmann, G.
THE COOLING OF PVC - INSULATED WIRES DURING MANUFACTURE. 13p
Order from SLA $1.60 TT-64-16581

Trans. of [NTZ]Nachrichtentechnische Zeitschrift (West Germany) 1958, v. 11, no. 11, p. 557-560.

Burshtein, R.Kh. and Kondrashov, D.L.
RECHERCHES DES CARACTÉRISTIQUES ÉLECTRO CHIMIQUES ET DE L'IMPRÉGNATION DE L'ÉLECTRODE DÉPOLARISÉE PAR L'AIR EN FONCTION DE LA RÉPARTITION DES PORES DANS UNE ÉLECTRODE EN CHARBON (Issledovanie Elektrokhimicheskikh Kharakteristik i Promokaniya Elektroda Vozdushnoi Depolyarizatsii v Zavisimosti ot Raspredeleniya por v Ugol'nom Elektrode) (Study of the Electrochemical Characteristics and Soaking (Impregnation) of an Airdepolarization Electrode in Relation to the Pore Distribution in the Carbon Electrode). 16p. (foreign text included) 3refs.
CNRS-X 417.
Order from OTS, ETC or CNRS $1.60 TT-62-29095

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1956, v.29, no.11, p.1691-1696.

DESCRIPTORS: Batteries & components, *Electrodes, Carbon, *Polarization, Air, Porosity, Diffusion.

Dehn, Georg and Sauer, Martin.
TELEPHONE CARBON MICROPHONE 97. 12p 5refs
Order from SLA $1.60 TT-64-16587

Trans. of Siemens Zeitschrift (West Germany) 1963, v. 37 [no. 7] p. 532-536.

Dombrowskij, V.V., Ipatov, P.M. and others.
DIE GROSSEN WASSERKRAFT-GENERATOREN DER UdSSR (Large Hydroalternators in the USSR). 10p.
Order from TIB $7.50

Trans. in German of Elektrotechnický Obzor (Czechoslovakia) 1963, v.52, no.2, p.58-63.

DESCRIPTORS: *Generators, Alternating current.

Forst, Z.
MESSUNG DES ZEITLICHEN TEMPERATURVERLAUFES VERSCHIEDENER STELLEN DER MASSIVEN POLSCHUHE VON SYNCHRONMOTOREN BEI ASYNCHRONEM ANLAUF (Measurement of the Time-Dependence of Temperature at Various Places of Solid Pole-Shoes in Synchronous Motors on Asynchronous Starting). 4p.
Order from TIB $3.00

Trans. in German of Elektrotechnický Obzor (Czechoslovakia) 1963, v.52, no.3, p.127-132.

DESCRIPTORS: Measurement, Temperature, Time, *Synchros, Starting.

Gromov, S. A.
REASONS FOR THE OCCURENCE OF, AND WAYS OF PREVENTING FLASHOVERS ON THE COMMUTATORS OF DIESEL-LOCOMOTIVE GENERATORS (Prichiny Vozniknoveniya i Mery Preduprezhdeniya Krugovykh Ognei na Kollektorakh Teplovoznykh Generatorov). 16 May 63 [10p] (foreign text included) AEI Ref. T. P. /T. 3250; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.10 TT-64-13015

Trans. of Elekt[richeskaya i] Teplovoz[naya] Tyaga (USSR) 1962 [v. 6] no. 7, p. 33-35.

Heynisch, Hinrich.
WAVE PROPAGATION ALONG A HELICAL LINE: NOTES ON THE PROPAGATION OF MICRO WAVES AND LONGER WAVES ALONG A HELICAL LINE PROVIDED WITH A DIELECTRIC SUPPORT AND A COAXIAL OUTER CONDUCTOR. 18p 8refs
Order from SLA $1.60 TT-64-16585

Trans. of A[rchiv der] E[lektrischen] Ü[bertragung] (West Germany) 1963, v. 17 [no. 5] p. 254-260.

Kadomskaya, K.P., Kaplan, V.V. and others.
ZUR FRAGE DER VERWENDUNG VON SCHALTERN MIT NEBENWIDERSTÄNDEN DOPPELTER WIRKUNG (The Use of Two-way Circuit Breakers with Shunting Resistors).
Order from TIB $2.80

Trans. in German of #Elektrichestvo (USSR) 1962, no.8, p.61-65.

DESCRIPTORS: *Circuit breakers, Resistors.

Klar, I. and Inle, K. H.
A RADIO ISOTOPE THICKNESS METER OF SIMPLIFIED ELECTRICAL DESIGN. 29 July 60, 11p (5 figs. omitted) 6refs USASIA: SC-125a/60; JPRS: R-846-D.
Order from OTS, SLA, or ETC $1.60 TT-60-31313

Trans. of Nachrichtentechnik (East Germany) 1959 [v. 9] no. 12, p. 543-545.

Kostenko, M.P., Neiman, L.R. and others.
AUTOMATISCHE REGELUNG UND STABILITÄT BEI PARALLELARBEIT DER GENERATOREN EINES KRAFTWERKES AUF WECHSELSTROM- UND GLEICHSTROM-ÜBERTRAGUNGSLEITUNGEN (Automatic Regulation and Stability in Parallel Operation of Generators into A.C. and D.C. Lines). 22p.
Order from TIB $16.50

Trans. in German of #Elektrichestvo (USSR) 1962, no.10, p.1-9.

DESCRIPTORS: Automation, *Control systems, Generators.

Krechetovich, N.N.
PROTECCION DE LOS MOTORES ELECTRICOS CONTRA EL TRABAJO A DOS FASES (O Zashchite Elektrodvigatelei ot Raboty na Dvukh Fazakh) (Protection of Electric Motors Against Twophase Operation). 14p. CID:63-351.
Order from OTS, ETC or CID $1.60 TT-63-26751

Trans. in Spanish of Promyshlennaya Energetika (USSR) 1953, v.8, no.3, p.25-27.

DESCRIPTORS: *Electric motors, Operation.

Müller, J. and Wengenroth, G.
THE PERCEPTION OF INTERFERENCES FROM RANDOM NOISE IN COLOR TELEVISION PICTURES OF THE NTSC-SYSTEM. [18p] 5refs
Order from SLA $1.60 TT-64-16577

Trans. of [NTZ]Nachrichtentechnische Zeitschrift (West Germany) 1962, v. 15, no. 9, p. 438-441.

Parkyn, J. M.
EXTENSION OF MEASUREMENT METHODS AND THEIR PRECISION IN THE MEASURING OF Q-METERS. 9p (1 fig omitted) 1ref
Order from SLA $1.10 TT-64-16571

Trans. of L'Onde Électrique (France) 1963, v. 43 [no. 1] p. 56-58.

Pech, H.
MAINTENANCE OF LOCAL NETWORK CABLES BY GAS PRESSURE. 27p 7refs
Order from SLA $2.60 TT-64-16565

Trans. of Cables [et] Transmission (France) 1963, v. 17, no. 1, p. 3-13.

Polovoi, I. F., Pechenkin, I. D., and Piryazeva, A. I.
AN APPRAISAL OF THE RELIABILITY OF LIGHTNING PROTECTION SYSTEMS FOR ROTATING MACHINES (Otsenka Nadezhnosti Skhem Grozozashchity Vrashchayushchikhsya Mashin). 25 Mar 63 [21p] (foreign text included) 1ref AEI Ref T.P./T. 3245; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $2.60 TT-64-13029

Trans. of Elektrichestvo (USSR) 1962, no. 7, p. 30-35.

Schneider, H.
EVALUATION OF AN ION-EXCHANGE PLANT FOR PROCESSING AND RECIRCULATING GALVANIC RINSEWATER IN A LARGE ELECTRICAL APPARATUS FACTORY. 10p
Order from SLA $1.10 TT-64-16580

Trans. of [Galvanotechnik und Oberflächenschutz (Switzerland) 1962, v. 3, p. 69-72].

Sysoev, M.I.
STATISTISCHE METHODE ZUR BESTIMMUNG DER ISOLATIONSFESTIGKEIT VON LUFTGEFÜLLTEN GERÄTEN (A Statistical Method of Determining the Electrical Strength of the Insulation of Air-filled Switchgear). 11p.
Order from TIB $19.00

Trans. in German of Elektrichestvo (USSR) 1962, no.8, p.51-55.

DESCRIPTORS: *Electric insulation, Electrica- equipment.

Ter-Gazaryan, G.N.
DER DEN OBERWELLENSTRÖMEN ENTGEGENGESETZTE WIRKWIDERSTAND DES STÄNDER- UND LÄUFERSTROMKREISES EINER MEHRPOLIGEN SYNCHRON-SCHENKELPOLMASCHINE (The Resistance of the Stator and Rotor Circuits of a Salient-pole Synchronous machine to Currents of Higher Harmonics). 14p.
Order from TIB $15.00

Trans. in German of Elektrichestvo (USSR) 1962, no.11, p.45-49.

DESCRIPTORS: Electrical resistance, Circuits, *Synchros.

Valeev, Kh.S., Garevskii, V.N. and others.
VERÄNDERUNG DER ELEKTRISCHEN FESTIGKEIT VON HOCHSPANNUNGSPORZELLAN BEI LANGDAUERNDER EINWIRKUNG HOHER GLEICHSPANNUNG (The Variation of the Electrical Strength of High Voltage Porcelain under Sustained High Direct Voltage). 8p.
Order from TIB $0.70

Trans. in German of Elektrichestvo (USSR) 1963, no.1, p.59-61.

DESCRIPTORS: *Ceramic materials, Electric potential.

Zusman, V.G. and Ratmirov, V.A.
SCHRITTMOTOREN IN ANLAGEN MIT PROGRAMMSTEUERUNG (Stepping Motors in Programme Control Devices).
Order from TIB $5.00

Trans. in German of Elektrochestvo (USSR) 1962, no.10, p.37-47.

DESCRIPTORS: Electric motors, Control systems, *Programming.

Mechanical Engineering

Bogorad, A.M., Zhirnov, F.G. and others.
AUTOMATISIERUNG EINER KRAFTWERKBLOCKANLAGE MIT HILFE EINER STEUERNDEN RECHENMASCHINE (Automation of a Boiler-Turbine Unit Using a Control Computer). 17p.
Order from TIB $12.75

Trans. in German of Teploenergetika (USSR) 1963, v.10, no.5, p.2-8.

DESCRIPTORS: Automation, *Turbines, *Computers Control systems.

Deich, M. E. and Sheinkman, A. G.
DETERMINING THE OPTIMUM VALUE FOR THE UPPER OVERLAP OF A SHROUDED TURBINE STAGE (K Opredeleniyu Optimal'noi Velichiny Verkhnei Perekryshi Obandazhennoi Turbinnoi Stupeni). 27 Dec 62 [14p] (foreign text included) 8refs AEI Ref T.P./T. 3275; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.60 TT-63-24551

Trans. of Teploenergetika (USSR) 1962 [v. 9] no. 1, p. 28-31.
An unedited rough draft trans. is available from OTS or SLA $1.60 as 62-32307, FTD-TT-62-736, 11 Jun 62 [14p].

Elizarov, D.P.
THERMISCHE SPANNUNGEN BEI DER ERWÄRMUNG EINER DAMPFLEITUNG AUS STAHL 12ChMF (Temperature Stresses in a 12KhMP Steel Boiler Steam Line During Warm-Up). 12p.
Order from TIB $9.00

Trans. in German of Teploenergetika (USSR) 1962, v.9, no.10, p.59-64.

DESCRIPTORS: *Thermal stresses, Steam pipes, Steel.

Ingul'tsov, V. L.
CALCULATING THE DIAPHRAGM AS A HALF-RING ON AN ELASTIC SUPPORTING CONTOUR (Raschet Diafragmy kak Polukol'tsa na Uprugom Opornom Konture). 21 Jun 63 [18p] (foreign text included) 4refs AEI Ref. T.P./T. 3297; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.60 TT-64-13016

Trans. of Energomashinostroenie (USSR) 1961, v. 7, no. 11, p. 1-5.

Karpov, A.M., Frolov, M.A. and others.
ANALISIS DEL FUNCIONEMIENTO DE VENTILADORES-IMPULSORES EN CIRCUITOS DE VENTILACION DE MINAS (Analiz Sluchaya Raboty 'Ventilyatorov-Tolkachei" v Shakhtnoi Ventilyatsionnoi Seti) (Analysis of the Operation of Ventilator-Impeller in Mine Ventilating Circuits). 12p.
CID:63-303.
Order from OTS, ETC or CID $1.60 TT-63-26703

Trans. in Spanish of Ugol'(USSR) 1955, v.30, no.11, p.32-35.

DESCRIPTORS: Analysis, *Ventilation fans, *Mining engineering.

Kirillov, I. I. and Yablonik, R. M.
THE CHARACTERISTICS OF TURBINE STAGES WITH DIFFERENT DEFLECTION ANGLES OF THE GUIDE BLADES (Kharakteristiki Turbinnykh Stupeneii pri Razlichnykh Uglakh Povorota Napravlyayushchikh Lopatok). 21 Jun 63 [14p] (table omitted) 2refs AEI Ref. T.P./T.3296; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.60 TT-63-24549

Trans. of Energomashinostroenie (USSR) 1961, v. 7, no. 6, p. 7-11.

Korneev, M.I.
KOMBINIERTE DAMPF-GAS-HEIZKRAFTWERKE NACH DEM PRINZIP DER ZKTI UND IHRE BETRIEBSWIRTSCHAFTLICHEN KENNGRÖSSEN (Teplofikatsionnye Kombinirovannye Parogazovye Ustanovki po Tsiklu Tskti i Ikh Tekhniko-Ekonomicheskie Pokazateli) (Combined Gas-Steam Power-plants on the ZKTI Principle and Their Economical Indices). 11p. ETH-tr.11.
Order from ETH ETH-tr.11

Trans. in German of Teploenergetika (USSR) 1961, v.8, no.9, p.10-14.

DESCRIPTORS: Electric power production, Steam power plants, *Power plants (establishments), Gases, Economics.

Kuz'min, G.I.
EXPERIMENTELL ERMITTELTE DYNAMISCHE KENNLINIEN EINES TURBO-GENERATOR-SATZES MIT ZWISCHENÜBERHITZUNG (Experimental Dynamic Response of a Turbogenerator with Steam Reheat). 8p.
Order from TIB $6.00

Trans. in German of Teploenergetika (USSR) 1963, v.10, no.4, p.14-17.

DESCRIPTORS: *Generators, Turbines, Steam, Heating.

Migai, V. K.
THE EFFICIENCY OF A CURVILINEAR DIFFUSER WITH TRANSVERSE RIBS (Ob Effektivnosti Krivolinejnogo Diffuzora s Poperechnymi Rebrami). 2 Sep 63 [7p] (foreign text included) 2refs AEI Ref. T. P. /T. 3309; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.10 TT-63-24546

Trans. of Energomashinostroenie (USSR) 1962, v. 8, no. 1, p. 45-46.
An unedited rough draft trans. is available from OTS or SLA $1.10 as TT-63-13198, FTD-TT-62-1151, 11 Sep 62 [7p].

Mustafin, Ch. G.
STRESS CONCENTRATION IN THE T-SHAPED TAIL CONNECTIONS OF MOVING TURBINE BLADES (Kontsentratsiya Napryazhenii v T-Obraznykh Khvostovykh Soedineniyakh Rabochikh Lopatok Turbin). 22 Jul 63 [5p] (foreign text included) 1ref AEI Ref. T. P. /T. 3306; DSIR NLL-9022.03
Order from OTS, SLA, or ETC $1.10 TT-63-24561

Trans. of Energomashinostroenie (USSR) 1961, v. 7, no. 12, p. 46-47.

Pavlovskii, G.I.
BESTIMMUNG DES TEMPERATURUNTERSCHIEDS ENTLANG DEM DURCHMESSER EINER DAMPFTURBINE BEIM ABKÜHLEN (Determining the Temperature Difference over the Diameter of a Steam-Turbine Cylinder During Cooling). 7p.
Order from TIB $5.25

Trans. in German of Teploenergetika (USSR) 1963, v.10, no.4, p.18-21.

DESCRIPTORS: Temperature, Steam turbines, *Cooling.

Polyakov, A.L., Elizarov, D.P. and Volkov, S.V.
SPANNUNGEN IN DAMPFLEITUNGEN AUS AUSTENITSTAHL BEI ERWÄRMUNG (Stresses in an Austenitic Steel Steam Line During Warm-Up). 10p.
Order from TIB $7.50

Trans. in German of Teploenergetika (USSR) 1963, v.10, no.2, p.69-73.

DESCRIPTORS: *Stresses, Austenite, Steel, Heating, Steam pipes.

Yakobson, S.S., Zemlyanskaya, L.L. and Stasenko, I.V.
ZUR FRAGE DER SCHWEISSVERBINDUNGEN VON DAMPFLEITUNGEN IN KRAFTWERKEN (Efficiency of the Welded Joints of Power Station Steam Lines) 14p.
Order from TIB $10.50

Trans. in German of Teploenergetika (USSR) 1963, v.10, no.2, p.64-69.

DESCRIPTORS: *Welds, Steam power plants, Steam pipes.

Zazimko, D. A.
AN EXPERIMENTAL INVESTIGATION OF A COMPRESSOR STAGE WITH A NEW TYPE OF SPIRAL GUIDING APPARATUS (Eksperimental'noe Issledovanie Radial'noi Kompressornoi Stupeni s Novym Tipom Spiral'nogo Napravlyayushchego Apparata). 7 Jun 63 [9p] AEI Ref. T.P. /T. 3312; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.10 TT-63-24554

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 8, p. 23-27.

Sanitation and Safety Engineering

Belov, A. V. and Maslyanskii, L. I.
WATER SEPARATORS FOR GAS DRAINAGE HOLES. [4p] 2refs NCB Trans. A.2202/SEH; DSIR NLL-9022.66.
Order from OTS, SLA, or ETC $1.10 TT-64-13035

Trans. of Ugol' (USSR) 1962, v. 37, no. 2, p. 49-50.

Belozovskii, A. B.
FILTER SELF-RESCUE APPARATUS SPP (Fil'truyushchii Samospasatel' SPP) L. Meyer, tr. [4p] 1ref S.M.R.E. Trans. 4909; DSIR NLL-8313.4.
Order from OTS, SLA, or ETC $1.10 TT-64-13208

Trans. of Bezop[asnost'] Truda v Promyshl[ennosti] (USSR) 1963, v. 7, no. 10, p. 25-26.

Belyi, V. D., Vaidman, B. A., and Lesin, K. K.
FATIGUE AND CORROSION FATIGUE STRENGTH OF MINE ROPES (Issledovanie Ustalostnoi i Korrozionno -Ustalostnoi Prochnosti Shakhtnykh Kanatov). Jul 63 [27p] 10refs S. M. R. E. Trans. 4792; DSIR NLL-8313.4.
Order from OTS, SLA, or ETC $2.60 TT-63-24563

Trans. of [Nauchno-Issledovatel'skii Institut po Bezopasnosti Rabot v Gornoi Promyshlennosti]. Trudy (USSR) 1959, v. 9, p. 330-348.

Drepin, V. G.
ANALYSIS OF THE CAUSES OF ACCIDENTS IN THE MINES OF THE LVOV-VOLYNSK COALFIELD (Analiz Prichin Proizvodstvennogo Travmatizma na Shakhtakh Lvovsko-Volynskogo Basseina). [5p] S. M. R. E. 4897; DSIR NLL-8313.4.
Order from OTS, SLA, or ETC $1.10 TT-64-13209

Trans. of Bezop[asnost'] Truda v Promyshl[ennosti] (USSR) 1962 [v. 6] no. 5, p. 10-12.

Gavril'chenko, L. I.
INVESTIGATIONS INTO THE PARAMETERS AND INTO THE DEVELOPMENT OF TECHNICAL REQUIREMENTS AND STANDARDS FOR THE DESIGN OF INTRINSICALLY SAFE ELECTRICAL SHOTFIRING SYSTEMS (Issledovaniya Parametrov i Razrabotka Tekhnicheskikh Trebovanii i Norm na Proektirovanie Iskrobezopasnykh Sistem Elektricheskogo Vzryvaniya) L. Meyer, tr. Oct 63 [6p] S. M. R. E. Trans. 4907, DSIR NLL-8313.4.
Order from OTS, SLA, or ETC $1.10 TT-64-13207

Trans. of mono. Nauchno-Issledovatel'skie Raboty MakNII za 1959-60, Moscow, 1961, p. 108-112.

Gorlovoi, G. D.
PIT IONIZATION METHANOMETER. [4p] NCB Trans. A 2156/SEH; DSIR NLL-9022.66.
Order from OTS, SLA, or ETC $1.10 TT-64-13034

Trans. of Bezop[asnost'] Truda [v] Promyshl[ennosti] (USSR) 1961, v 5, no. 2, p. 26-27.

Kodot, V. V.
SUDDEN OUTBURSTS OF COAL AND GAS. [8p] 3refs NCB Trans. A.2235/SEH; DSIR-NLL-9022.66.
Order from OTS, SLA, or ETC $1.10 TT-64-13036

Trans. of Ugol' (USSR) 1962, v. 37, no. 8, p. 61-63.

Konstantinov, B.A., Epfelbaum, R.V. and Mamet, A.P.
ZUR FRAGE DER AUTOMATISIERUNG VON WASSERAUFBEREITUNGSANLAGEN (The Problem of Automating Watertreatment Facilities). 6p.
Order from TIB $4.50

Trans. in German of Teploenergetika (USSR) 1963, v.10. no.4, p.52-55.

DESCRIPTORS: Automation, *Water, Sanitary engineering.

Pak, P. B. and Shushmannikov, B. V.
CAUSES OF FIRE ON BELT CONVEYORS (Prichiny Pozharov na Lentochnykh Konvelerakh). [4p] S. M. R. E. Trans. 4898; DSIR NLL-8313.4.
Order from OTS, SLA, or ETC $1.10 TT-64-13210

Trans. of Bezop[asnost'] Truda v Promyshl[ennosti] (USSR) 1963 [v. 7] no. 5, p. 13.

Pot, Cornelis.
TAPS FOR PIPING WATER, ESPECIALLY FOR LAVATORIES. [1960] 3p.
Order from OTS, SLA, or ETC $1.10 TT-60-18897

Trans. of French patent no. 697,521, appl. 16 Jun 30, granted 4 Nov 30, pub. 19 Jan 31.

Rassolov, N. I. and Sklyarenko, I. P.
DEVELOPMENT OF A METHOD FOR METERING THE DEPOSITION OF COAL DUST IN MINE WORKINGS (Razrabotka Sposoba Kontrolya Otlozheniya Ugol'noi Pyli v Gornykh Vyrabotakh). [42p] 17refs S. M. R. E. Trans. 4899; DSIR NLL-8313.4
Order from OTS, SLA, or ETC $4.60 TT-63-24562

Trans. of [Nauchno-Issledovatel'skii Institut po Bezopasnosti Rabot v Gornoi Promyshlennosti]. Trudy (USSR) 1962, v. 13, p. 219-240.

Schulz, G.
REASONS FOR, AND METHODS OF, REDUCING THE NOISE IN THE COIL-COOLING AREA OF STRIP MILLS. Apr 64, 3600 words.
Order from HB $9.80 HB-6069

Trans. of Stahl und Eisen (West Germany) 1963, v. 83, no. 19, p. 1180-1184.

Surkov, A. L., Satarov, V. N., and Koshelev, N. M.
METHANE LAYERING IN MINE WORKINGS (Sloevye Skopleniya Metana v Gornykh Vyrabotkakh) L. Meyer, tr. Nov 63 [8p] S. M. R. E. Trans. no. 4903; DSIR NLL-8313.4.
Order from OTS, SLA, or ETC $1.10 TT-64-13211

Trans. of Bezop[asnost'] Truda v Promyshl[ennosti] (USSR) 1963, v. 7, no. 9, p. 10-14.

Ship Building

Ivanov, P. V.
DESIGN OF AN "ITALIAN-TYPE" HAWSE PIPE. [11p] 2refs DSIR NLL-9022.065.
Order from OTS, SLA, or ETC $1.60 TT-63-24565

Trans. of Sudostroenie (USSR) 1962, v. 28, no. 8, p. 15-[16].

Shlyaposhnikov, B. M.
NEW ELECTRONIC EQUIPMENT FOR MEASUREMENT AND AUTOMATIC CONTROL IN SHIPBUILDING. [8p] B.S.R.A. Trans. no. 1465; DSIR NLL-9022.065.
Order from OTS, SLA, or ETC $1.10 TT-63-24564

Trans. of Sudostroenie (USSR) 1962, v. 28, no. 8, p. 41-[44].

FOOD, HANDLING AND PACKAGING EQUIPMENT

Arbatskaya, N., Panasenkov, N., Sokolov, A., and Fialkov, M.
CONTINUOUS PRODUCTION OF DRY MILK PROTEIN (Liniya Potochnogo Proizvodstva Sukhogo Molochnogo Belka)
B. Ribush, tr. [1964] [12p] (foreign text included) [CSIRO] Trans. 6669.
Order from OTS, SLA, or ETC $1.60 TT-64-15437

Trans. of Molochnaya Promyshlennost' (USSR) 1962, v. 23, no. 5, p. 9-13.

D'yachenko, P.
PROTEIN RESOURCES OF THE DAIRY INDUSTRY AND THEIR UTILIZATION (Belkovye Resursy Molochnoi Promyshlennosti i Ikh Ispol'zovanie)
B. Ribush, tr. [1964] [6p] [CSIRO] Trans. no. 6721.
Order from OTS, SLA, or ETC $1.10 TT-64-15432

Trans. of Molochnaya Promyshlennost' (USSR) 1957, v. 18, no. 1, p. 5-6.

Fridman, S.E.
SELECCION DE LA REMOLACHA AZUCARERA POR CALIDADES (Priemka Sakharnoi Svekly po Kachestvu) (Qualitative Selection of Sugar-beet). 6p. CID:63-302.
Order from OTS, ETC or CID $1.10 TT-63-26702

Trans. in Spanish of Sakharnaya Promyshlennost' (USSR) 1954, v. 28, no. 3, p. 5.

DESCRIPTORS: *Vegetables, Selection.

Gasyuk, G.N., Dul'neva, I.P. and Popovskii, V.G.
UTILISATION DE L'ULTRASON POUR ACCELERER LA CRISTALLISATION DU TARTRE DANS LE JUS DE RAISIN (Primenenie Ul'trazvuka dlya Uskoreniya Kristallizatsii Vinnogo Kamnya) (Effect of Ultrasound on the Rate of Crystallization of Tartar from Grapejuice). 17p. (foreign text included) 2refs. CNRS-XIII 52.
Order from OTS, ETC or CNRS $1.60 TT-63-26817

Trans. in French of Vinodelie i Vinogradarstvo SSSR, 1962, v. 22, no. 2, p. 8-13.

DESCRIPTORS: *Beverages, *Ultrasonic radiation, Salts, *Crystallization, Purification.

Golutvina, M. M., Kazakova, T. A., and Nikolaev, Yu. M.
RAPID METHOD OF DETERMINATION OF STRONTIUM-90 CONTENT IN MILK (Bystryi Metod Opredeleniya Soderzhaniya Strontsiya-90 v Moloke). [1964] [17p] (foreign text included) 8refs FASEB Ms no.: S307-3.
Order from OTS, SLA, or ETC $1.60 TT-64-15481

Trans. of Voprosy Pitaniya (USSR) 1963, v. 22, no. 1, p. 66-69.
Another trans. is available from OTS $0.50 as TT-63-21550, JPRS-18632, 9 Apr 63 [10p].

Shtal'berg, S.
DEVELOPMENT OF AN EGG SUBSTITUTE FROM SKIM MILK (Vyrabotka Molochnogo Zamenitelya Yaits iz Obezzhirennogo Moloka)
R. Wilson, tr. [1964] [6p] (foreign text included) [CSIRO] Trans. 6681.
Order from OTS, SLA, or ETC $1.10 TT-64-15438

Trans. of Molochnaya Promyshlennost' (USSR) 1963, v. 24, no. 7, p. 29-30.

MACHINERY, FABRICATION, AND ACCESSORY EQUIPMENT

USSR INDUSTRIAL DEVELOPMENT: GENERAL INFORMATION ON SOVIET MACHINERY INDUSTRIES NO. 18. 18 May 64, 25p JPRS: 24646
Order from OTS $0.75 TT-64-31280

Trans. of 9 selected articles from Feb-Apr 64 issues of various Russian journals and newspapers.

A separate entry has been prepared for 1 article.

USSR INDUSTRIAL DEVELOPMENT: GENERAL INFORMATION ON SOVIET MACHINERY INDUSTRIES NO. 19. 19 May 64, 18p JPRS: 24658.
Order from OTS $0.50 TT-64-31285

Trans. of brief miscellaneous advertisements from Dec 63-Apr 64 issues of various Russian language newspapers.

USSR INDUSTRIAL DEVELOPMENT: SOVIET METALWORKING EQUIPMENT NO. 98. 11 May 64, 6p. JPRS: 24546.
Order from OTS $0.50 TT-64-31238

Trans. of five short articles from Ekonomicheskaya Gazeta (USSR) 1964, no. 5[130] p. 13, 36-38.

Rzheznikov, Yu.V. and Boitsova, E.A.
ÜBER DIE URSACHEN DES UNSTABILEN BETRIEBS-VERHALTENS DER REGELVENTILE GROSSER DAMPFTURBINEN (Causes of the Unstable Performance of the Control Valves of Large-Capacity Steam Turbines). 11p.
Order from TIB $8.25

Trans. in German of Teploenergetika (USSR) 1963, v.10, no.3, p.25-29.

DESCRIPTORS: *Valves, Steam turbines, Control systems.

Tsokanov, V.V. and Kossev, O.A.
KOLLEKTORLOSER GLEICHSTROMANTRIEB (A d.c.Drive Without a Commutator). 8p.
Order from TIB $6.00

Trans. in German of Elektrichestvo (USSR) 1963, no.1, p.22-26.

DESCRIPTORS: *Drives, Direct current.

Engines and Propulsion Systems

Babenko, Kh. L.
EFFECT OF THE CONSTRUCTIONAL FACTORS ON THE CHARACTERISTICS OF GAS TURBINE STAGES WITH A LOW RATIO OF MEAN DIAMETER/HEIGHT (Vliyanie Konstruktivnykh Faktorov na Kharakteristiki Stupenei Gazovoi Turginy s Malym Otnosheniem D_{sr}/l_r. 9 Jan 63 [12p] 3refs AEI Ref T.P./T. 3276; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.60 TT-63-24552

Trans. of Teploenergetika (USSR) 1962 [v. 9] no. 5, p. 43-46.

Deich, M. E., Baranov, V. A., Frols', V. V., and Filippov, G. A.
THE EFFECT OF THE HEIGHT OF THE BLADES ON SOME OF THE CHARACTERISTICS OF SINGLE-ROW TURBINE STAGES (Vliyanie Vysoty Lopatok na Nekotorye Kharakteristiki Odnovenechnykh Stupenei Turbin). 26 Aug 63 [14p] (foreign text included) 4refs AEI Ref. T.P./T. 3308; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.60 TT-63-24558

Trans. of Energomashinostroenie (USSR) 1962, v. 8, no. 1, p. 6-9.

Kirillov, I. I.
THE EFFECT ON EFFICIENCY OF THE SHAPE OF THE LOW-PRESSURE BLADED SECTION IN A STEAM TURBINE (Vliyanie na K.P.D. Formy Protochnoi Chasti Nizkogo Davleniya Parovykh Turbin). 18 Jul 63 [16p] (foreign text included) 3refs AEI Ref. T.P./T. 3303; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.60 TT-63-24544

Trans. of Energomashinostroenie (USSR) 1961, v. 7, no. 12, p. 1-5.

Kirillov, I.I.
UNTERSUCHUNG DER ENERGIEVERLUSTE IM ND-TEIL GROSSER DAMPFTURBINEN (Investigation of Energy Losses in the Low Pressure Section of High-Capacity Steam Turbines). 12p.
Order from TIB $9.00

Trans. in German of Teploenergetika (USSR) 1963, v.10. no.6, p.40-45.

DESCRIPTORS: Energy, *Steam turbines.

Panshin, B. M.
TECHNICAL PROJECTS FOR NEW TURBINES TO BE PRODUCED BY THE KHAR'KOV TURBO-GENERATOR PLANT (Tekhnicheskie Proekty Novykh Turbin KhTGZ). 24 Jun 63 [3p] AEI Ref. T.P./T. 3298; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.10 TT-64-13014

Trans. from Energomashinostroenie (USSR) 1961, v. 7, no. 11, p. 26.

Sobolev, S. P., Shneidman, A. E., Zel'des, N. Ya., Sukhinin, V. P., and Shor, L. A.
EXPERIENCE IN THE CONSTRUCTION OF A BLADE FOR THE LAST STAGE OF A 150-MW TURBINE (Opyt Sozdaniya Lapotki Poslednei Stupeni dlya Turbiny Moshchnost'yu 150 Mvt). 11 Dec 62 [11p] (foreign text included) AEI Ref. T.P./T. 3274; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.60 TT-63-24553

Trans. of Teploenergetika (USSR) 1959 [v. 6] no. 3, p. 26-29.
Another trans. is available from LC or SLA mi$2.40, ph$3.30 as 61-13300, DSIR LLU M.1912 [1960] 12p.

Troyanovskii, B. M., Kazintsev, F. V., Kisenev, L. E., and Krupennikov, B. N.
INVESTIGATING THE LAST STAGES OF CONDENSING STEAM TURBINES (Issledovanie Poslednykh Stupenei Kondensatsionnykh Parovykh Turbin). 5 Sep 63 [13p] (foreign text included) 1ref AEI Ref. T.P./T. 3310; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.60 TT-63-24545

Trans. of Energomashinostroenie (USSR) 1962, v. 8, no. 3, p. 26-29.

Erokhin, A.A. and Rubin, Sh.G.
MAQUINARIA Y TECNOLOGIA PARA LA FABRICACION DE ELECTRODOS BASICOS EN PRENSAS DE GRAN PRESION (Oborudovanie i Tekhnologiya Izgotovleniya Elektrodov Osnovnogo Tipa na Pressakh Vysokogo Davleniya) (Equipment and Technology Employed in High-Pressure Press Manufacture of Basic Electrodes). 17p. 7refs. CID:63-370.
Order from OTS, ETC or CID $1.60 TT-63-26770

Trans. in Spanish of Svarochnoe Proizvodstvo (USSR) 1956, no.11, p.20-23.

DESCRIPTORS: *Electrodes, Manufacture, *Metal-forming presses.

Kravchenko, N. A., Repkin, M. L and others.
SOME OF THE NEW WORK ACCOMPLISHED BY THE KHAR'KOV TURBOGENERATOR PLANT (KhTGZ) (Nekotorye Novye Raboty KhTGZ im. Kirova). 26 Jul 63 [7p] (foreign text included) AEI Ref. T. P. /T. 3307; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.10 TT-63-24550

Trans. of Energomashinostroenie (USSR) 1961, v. 7, no. 12, p. 48.

Lysenko, A.F. and Semina, V.S.
INFLUENCIA DE LA VISCOSIDAD DEL VIDRIO SOLUBLE SOBRE LA CALIDAD DE LOS ELECTRODOS QUE SE FABRICAN POR EXTRUSION (Vliyanie Vyazkosti Zhidkogo Stekla na Kachestvo Elektrodov, Izgotovlyaemykh Metodom Opressovki) (Influence of Soluble Glass Viscosity on Extrusion Manufactured Electrode Quality). 12p. CID:63-357.
Order from OTS, ETC or CID $1.60 TT-63-26757

Trans. in Spanish of Svarochnoe Proizvodstvo (USSR) 1957, no.8, p.36-37.

DESCRIPTORS: *Electrodes, Extrusion, Glass, Viscosity.

Popovich, M.
EXPERIENCIAS EN LA UTILIZACION DE HERRAMIENTAS CORTANTES CON LAMINAS DE REVESTIMIENTO MINERAL CERAMICO (Opyt Vnedreniya Reztsov s Mineralokeramicheskimi Plastinnami) (Experiences on the Utilisation of Cutting Tools with Metal-Ceramic Coated Sheets). 11p. CID:63-329.
Order from OTS, ETC or CID $1.60 TT-63-26729

Trans. in Spanish of Stanki i Instrument (USSR) 1954, v.25, no.8, p.30-32.

DESCRIPTORS: *Small tools, Ceramic coatings, Powder metallurgy, Powder alloys.

USSR INDUSTRIAL DEVELOPMENT: SOVIET AUTOMOTIVE INDUSTRY NO. 57.
18 May 64, 9p JPRS: 24644.
Order from OTS $0.50 TT-64-31279

Trans. of 3 selected articles from Mar 64 issues of 2 Russian newspapers.

A separate entry has been prepared for 1 article.

Levikov, I.I. and Sergeev, S.T.
CALCULO DEL RENDIMIENTO DE LAS INSTALACIONES ELEVADORAS (Raschet Proizvoditel'nosti Prokhodcheskikh Pod'emnykh Ustanovok) (Estimation of Elevating Equipment Yield). 13p. CID:63-354
Order from OTS, ETC or CID $1.60 TT-63-26754

Trans. in Spanish of Ugol' (USSR) 1953, v.28, no.7, p.15-17.

DESCRIPTORS: Effectiveness, *Elevators.

Shlyapin, K.B.
RESULTADOS DEL ENSAYO DE UNA MAQUINA EXCAVADORA (Rezul'taty Ispytaniya Prokhodcheskoi Mashiny) (Results of Tests Carried Out with an Excavating Machine). 14p. 6refs. CID:63-340.
Order from OTS, ETC or CID $1.60 TT-63-26740

Trans. in Spanish Ugol' (USSR) 1953, v.28, no.9, p.40-42.

DESCRIPTORS: Tests, *Earth-handling equipment.

Shmatkov, N.A.
ESTUDIO DE LOS DISPOSITIVOS DE SUSPENSION DE CABLE EN MECANISMOS DE ELEVACION (Issledovanie Kanatnykh Podvesok Liftov) (Study of Cable Suspension Devices in Elevating Machines). 22p. 7refs. CID:63-399.
Order from OTS, ETC or CID $2.60 TT-63-26799

Trans. in Spanish of #Vestnik Mashinostroeniya (USSR) 1959, v.39, no.4, p.42-46.

DESCRIPTORS: Hoists, Cables, *Elevating gear.

Sudakov, Yu.
MOTOR VEHICLES, 1964.
18 May 64, 3p JPRS: 24644 (p. 7-9).
Order from OTS $0.50 in TT-64-31279 (p. 7-9)

Trans from Pravda, Leningrad (USSR) 1964, 21 Mar, p. 4.

MATERIALS

CLEANER FOR WOOD, LINOLEUM AND PARQUET. 1p
Order from OTS, SLA, or ETC $1.10 TT-64-16632

Trans. of German patent 698,653, n.d.

HAIR DRESSING. 1p
Order from OTS, SLA, or ETC $1.10 TT-64-16635

Trans. of German patent 726,665, n.d.

PRODUCTION OF DISINFECTANT, BLEACHING SOAP-LIKE MATERIALS. [1964] [2p]
Order from OTS, SLA, or ETC $1.10 TT-64-16250

Trans. of abstract of German patent 648,869, cl. 30i, gr. 3, granted [12 Nov] 32, by Deutsche Hydrierwerke A.G. (pub. in [Seifen-ole-Fette-Wachse] (Germany) 1937, v. 64, p. 725).

Bockmuhl, M. and Middendorf, L.
SKIN LUBRICANT. 2p
Order from OTS, SLA, or ETC $1.10 TT-64-16634

Trans. of German patent 705.450, n.d.

Fialkov, A.S., Gumilevskaya, G.P. and Grinberg, M.B.
DIE VERÄNDERUNG IM BINDEMITTEL IM ERSTEN STADIUM DES.GLÜHENS VON KOHLE-GRAPHIT-MATERIALIEN (Changes in the Binder During the First Baking Stage of Carbon and Graphite Materials) 12p.
Order from TIB $1.00

Trans. in German of #Zhurnal Prikladnoi Khimii (USSR) 1962, v.35, no.10, p.2308-2313.

DESCRIPTORS: *Binders, Graphite, Carbon compounds, Heating.

Merwedel.
PROCESS FOR THE PREPARATION OF METALLIC SOAP SOLUTIONS. 9p 1ref
Order from OTS, SLA, or ETC $1.10 TT-64-16637

Trans. of German patent 845,800, by Chem.-Techn. Werkstatten u. Lab., Schramberg, granted 4 Aug 52.

Mittelmann, G.
PRESTRESSED CONCRETE PAVEMENTS FOR RUNWAYS AND CARRIAGEWAYS C. V. Amerongen, tr. Jan 64 [25p] 30refs C&CA Library Trans. no. 109. Order from Cement and Concrete Association, 52 Grosvenor Gardens, London SW 1 ₸1

Trans. from mono. Technische Berichte, Philip Holzmann, A. G., n.p., Apr 62, 16p.

Nalbandyan, A.A.
ESMALTES OPACOS EXENTOS DE PLOMO Y ESTAÑO PARA LOSAS DE REVESTIMIENTO, BALDOSAS Y MAYOLICA (Bessvintsovo-bezolovyannye Glukhie Glazuri dlya Oblitsovochnykh Plitok, Izraztsov i Maioliki) (Lead- and Tin-free Opaque Enamels Employed in Coating Slubs, Tiles and Majolica). 9p. CID:63-364.
Order from OTS, ETC or CID $1.10 TT-63-26764

Trans. in Spanish of Steklo i Keramika (USSR) 1951, v.8, no.1, p.19-20.

DESCRIPTORS: *Ceramic coatings, Floors.

Noll, W.
SEMIBURNT DOLOMITE (Über den Halbgebrannten Dolomit). [23p] (foreign text included) 22refs
Order from SLA $2.60 TT-64-16591

Trans. of Angew[andte] Chemie (West Germany) 1950, v. 62, no. 23/24, p. 567-572.

Pines, B.Ya. and Sukhinin, N.I.
AGLUTINACION DE CUERPOS NO MONOFASICOS. II. AGLUTINACION DE MEZCLAS PRENSADAS DE POLVOS. DEPENDENCIA DE LA CONTRACCION RESPECTO A LA CONCENTRACION (O Spekanii Neodnofaznykh Tel. II. Spekanie Spressovannykh Smesei Poroshkov. Kontsentratsionnaya Zavisinost' Usadki) (Agglutination of Non-monophasic Bodies. II. Agglutination of Pressed Powder Mixtures. Dependence of Retraction on Concentration). 22p. 5refs. CID:63-307.
Order from OTS, ETC or CID $2.60 TT-63-26707

Trans. in Spanish of #Zhurnal Tekhnicheskoi Fiziki (USSR) 1956, v.26, no.9, p.2100-2107.

DESCRIPTORS: *Bonding, *Powder metallurgy, Pressure, Mixtures.

Pirogov, A.A.
PROPIEDADES CEMENTIVAS DE LA MAGNESITA AGLUTINADA RECRISTALIZADA (O Vyazhushchikh Svoistvakh Rekristallizovannogo Spekshegosya Magnezita) (Cementing Properties of Agglutinating Recrystallised Magnesite). 19p. CID:63-328.
Order from OTS, ETC or CID $1.60 TT-63-26728

Trans. in Spanish of Tsement (USSR) 1954, v.20, no.4, p.23-27.

DESCRIPTORS: Bonding, *Magnesium compounds, Carbonates.

Pochtarev, F.K.
FABRICA DE ELEMENTOS DE HORMIGON POROSO PARA LA CONSTRUCCION (Zavod Stroitel'nykh Konstruktsii iz Yacheistykh Betonov) (Plant for the Manufacture of Building Porous Concrete). 14p. lref. CID:63-317.
Order from OTS, ETC or CID $1.60· TT-63-26717

Trans. in Spanish of Promyshlennoe Stroitel'stvo (USSR) 1956, v.34, no.1, p.8-11.

DESCRIPTORS: *Concrete, Industrial plants.

Romanushkina, A. E.
"GRAFENOL" - A NEW HEAT CONDUCTIVE MATERIAL FOR THE CHEMICAL INDUSTRY. 3p
Order from OTS, SLA, or ETC $1.10 TT-64-16310

Trans. of Meditsinskaya Promyshlennost' SSSR, 1956, v. 10, no. 1, p. 11-13.

Sigalov, E. [E.] and Strongin, S. [G].
REINFORCED CONCRETE
S. Klein, tr. 1963, 393p
Order from GB $12.50

Trans. of mono. [Zhelezobetonnye Konstruktsii] n.p., n. d. [400p].

591

Slavnin, G.
ENRIQUECIMIENTO DE ARENAS CUARCIFERAS (Obogatimost' Kvartsevykh Perkov) (Concentration of Quartz-bearing Sands). 9p. CID:63-334.
Order from OTS, ETC or CID $1.10 TT-63-26734

Trans. in Spanish of Steklo i Keramika (USSR) 1954, v.11, no.11, p.12-14.

DESCRIPTORS: *Quartz, Sand.

Stanchenko, I. K. and Chel'tsov, M. I.
USE OF BENTONITE FOR STRATA PLUGGING IN THE COURSE OF CONSTRUCTION JOBS UNDERGROUND. I. BENTONITE AS A PLUGGING MATERIAL. [7p] NCB Trans. A.2158a/JG; DSIR NLL-9022.66.
Order from OTS, SLA, or ETC $1.10 TT-63-24571

Trans. of Shakhtnoe Stroitel'stvo (USSR) 1961, v. 5, no. 10, p. 26-28.

Stanchenko, I. K. and Chel'tsov, M. I.
USE OF BENTONITE FOR STRATA PLUGGING IN THE COURSE OF CONSTRUCTION JOBS UNDERGROUND. II. PLUGGING TECHNIQUE USING BENTONITE SOLUTIONS. [9p] NCB Trans. A.2158b/JG; DSIR NLL-9022.66.
Order from OTS, SLA, or ETC $1.10 TT-63-24572

Trans. of Shakhtnoe Stroitel'stvo (USSR) 1961, v.5, no. 11, p. 27-30.

Ulrich, H. and Nusslein, J.
WETTING, CLEANSING, DISPERSING AND DYE ASSISTING AGENTS. [1964] 1p
Order from OTS, SLA, or ETC $1.10 TT-64-16263

Trans. of abstract of German patent 664,818 cl. 12s, granted [2 Apr] 30, by I. G., Farbenindustrie A. G. (pub. in [Seifen-Ole-Fette-Wachse] (Germany) 1938, v. 65, p. 974.

Adhesives and Sealants

Daimler, Karl and Thron, Heinz
REACTION PRODUCTS FROM WOOL GREASE. [1964] 1p
Order from OTS, SLA, or ETC $1.10 TT-64-16254

Trans. of abstract of German patent 651,796, cl. 12 o, gr. 26, granted 22 Sep 34, by I. G. Farbenindustrie A. G. (pub. in [Seifen-Ole-Fette-Wachse] (Germany) 1937, v. 64, p. 892).

Kumain, I.B.
ELECCION DE AGLUTINANTES PARA ARENAS DE MACHOS (Vybor Svyazuyushchikh Materyalov dlya Sterzhnevykh Smesei)(Agglutinant Selection for Core Sand). 18p. CID:63-375.
Order from OTS, ETC or CID $1.60 TT-63-26775

Trans. in Spanish of Vestnik Inzhenerov i Tekhnikov (USSR) 1947, no.3, p.87-90.

DESCRIPTORS: Binders, *Molding materials, Sand.

Ceramics and Refractories

Dietzel, Adolph and Brijckner, Rolf.
CONSTRUCTION OF AN ABSOLUTE VISCOSIMETER FOR HIGHER TEMPERATURES AND ITS CALIBRATION BY MEASURING OF VISCOSITIES OF MOLTEN BORIC ACID. 30p 26refs
Order from SLA $2.60 TT-64-16336

Trans. of Glastechnische Berichte (West Germany) 1955, v. 28 [no. 12] p. 455-467.

Flessa, W. and Kessler, W.
SOURCES OF ERROR IN THE DRAWING UP OF CALIBRATION CURVES FOR THE PHOTOELECTRIC EMISSION SPECTRUM ANALYSIS OF GLASSES AND WAYS OF ELIMINATING THEM. Apr 64.
Order from BGIRA BGIRA-606

Trans. of Glastechnische Berichte (West Germany) 1963, v. 36, no. 12, p. 461-467.

Golubev, A.A. and Leonov, K.F.
METODOS RAPIDOS DE REALIZACION EN FRIO DE LAS REPARACIONES DE HORNOS PARA VIDRIO (Skorostnye Sposoby Provedeniya Kholodnykh Remon tov Steklovarennykh Pechei) (High-speed Methods for Cold Repair of Glass Furnaces). 13p. CID:63-386.
Order from OTS, ETC or CID$1.60 TT-63-26786

Trans. in Spanish of Steklo i Keramika (USSR) 1955, v.12, no.4, p.24-26.

DESCRIPTORS: *Combustion chambers, *Glass, Industrial production, Maintenance.

Kolesova, V. A.
ON THE INTERPRETATION OF VIBRATION SPECTRA OF SILICATES AND SILICATE GLASSES. [11]p
Order from OTS, SLA, or ETC $1.60 TT-64-16568

Trans. of Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki (USSR) 1954, v. 26, no. 1, p. 124-127.

Konopicky, Kamillo and Routschka, Gerald.
AN INVESTIGATION ON THE BEHAVIOR OF DIFFERENT QUALITIES OF REFRACTORY BRICK IN THE ARCH OF A SODIUM SILICATE TANK (Untersuchung des Verhaltens Verschiedener Steinqualitäten im Gewölbe einer Wasserglaswanne). [Paper presented] at the HVG Colloquium on Refractory Materials in the Glass Industry, Frankfurt a.M., 23 Oct 59. [28p] 6refs
Order from SLA $2.60 TT-64-16593

Trans. of Glastechn[ische] Ber[ichte] (West Germany) 1960, v. 33, no. 3, p. 93-101.

Louvat, Lucien.
MACHINE FOR DRAWING GLASS AMPOULES, AND SIMILAR ARTICLES. [1961] 4p.
Order from OTS, SLA, or ETC $1.10 TT-61-10094

Trans. of French patent no. 634,184, appl. 11 May 27, granted 8 Nov 27, pub. 10 Feb 28.

Mulfinger, H. O. and Meyer, H.
THE PHYSICAL AND CHEMICAL SOLUBILITY OF NITROGEN IN GLASS MELTS. Apr 64
Order from BGIRA BGIRA-605

Trans. of Glastechnische Berichte (West Germany) 1963, v. 36, no. 12, p. 481-483.

Olshevskii, B.N.
METODOS DE CONCENTRACION PREVIA DE MATERIALES ARCILLOSOS PARA LA FABRICACION DE OBJETOS DE PORCELANA Y LOZA FINA (Sposoby Predvaritel'nogo Obogashcheniya Glinistykh Materialov dlya Proizvodstva Farforo-fayansovykh Izdelii) (Methods for the Preliminary Concentration of Clay Materials for the Manufacture of Porcellain and Chinaware). 11p. CID:63-367.
Order from OTS, ETC or CID $1.60 TT-63-26767

Trans. in Spanish of Steklo i Keramika (USSR) 1954, v.11, no.11, p.18-20.

DESCRIPTORS: Clays, *Ceramic materials, Industrial production.

Sleptsov, V. M. and Kubli, S. A.
SINTERED FILTERS FROM REFRACTORY COMPOUNDS. Apr 64, 1200words
Order from HB $2.80 HB-6257

Trans. of Poroshkovaya Metallurgiya (USSR) 1963, v. 3, no. 6, p. 54-56.

Sokol, L.
LA DILATOMÉTRIE EN TANT QUE MÉTHODE DE CONTROLE DE QUELQUES MATIÈRES PREMIÈRES POUR LA CÉRAMIQUE (Dilatometrie Jako Kontrolni Metoda Nekterych Keramickykh Surovin a Hmot) (Dilatometry as a Checking Method During Study of Some Ceramic Raw Materials and Products). 25p. CNRS-VI 933.
Order from OTS, ETC or CNRS $2.60 TT-63-26944

Trans. in French of Silikaty (Czechoslovakia) 1962, v.6, p.366-377.

DESCRIPTORS: *Ceramic materials, *Dilatometers Clay minerals, Silicates, Control.

Fuels, Lubricants, and Hydraulic Fluids

PETROLEUM DISTILLATE OILS OF REFINING BY SULFURIC ACID, USED FOR LUBRICATION OF EQUIPMENT AND MOTORS, AND ALSO IN HYDRAULIC SYSTEMS AND TECHNOLOGICAL PROCESSES. [1963] 3p 9refs [DSIR] NLL M.3993.
Order from OTS, SLA, or ETC $1.10 TT-64-13281

Trans. of [Russian State] Standard GOST 1707-51, replaces GOST 1707-42 and GOST 1837-42, gr. B22,

Brandes, G.
THE STRUCTURAL GROUPS OF PETROLEUM FRACTIONS. COMMUNICATION I. STRUCTURE GROUPS ANALYSIS WITH INFRARED SPECTROSCOPY. 8p 8refs
Order from SLA $1.10 TT-64-16549

Trans. of Brenstoff-Chemie (West Germany) 1956, v. 37 [no. 17/18] p. 263-[267].

Brunner, M. and Pedrini, R.
TESTING OF LUBRICANTS FOR LUBRICITY BY MEANS OF THE WIELAND AND 4-BALL APPARATUS, PT. II. [12p] (14 figs omitted)
Order from SLA $1.60 TT-64-16469

Trans. of Schweiz[er] Arch[iv für] Angew[andte] Wiss[enschaft] u[nd] Tech[nik] 1955, v. 21, no. 8, p. 251-257.

Dyson, A.
COMPLETION OF A TESTING METHOD ALLOWING THE DETERMINATION OF THE INFLUENCE OF LUBRICANTS ON THE SEIZURE OF PISTONS IN 2-STROKE GASOLINE MOTORS. 12p
Order from SLA $1.60 TT-64-16553

Trans. of Rev[ue] de l'Inst[itut Français] du Pétrole [et Annales des Combustibles Liquides] (France) 1956, v. 11,[no. 11] p. 1489-[1495].

Halas, Z.
NEW LUBRICANTS FOR TUBE DRAWING, WITH SPECIAL REGARD TO AUSTENITIC STEELS. Apr 64.
Order from BISI £4 15s BISI-3657

Trans. of Neue Hütte (East Germany) 1963, v. 8, [no. 2] p. 86-91.

Hugel, M. G.
LUBRICATION EXPERIMENTS CARRIED OUT WITH SOLUBLE MOLYBDENUM COMPLEXES. 4p (3 refs omitted)
Order from SLA $1.10 TT-64-16437

Trans. of Revue de l'Institut Français du Pétrole [et Annales des Combustibles Liquides] 1955, v. 10 [no. 10] p. 1280-1283

Jablonski, Ludwig.
LUBRICATING AGENT. [1964]
Order from OTS, SLA, or ETC $1.10 TT-64-16253

Trans. of abstract of German patent 651,060, cl. 23c, gr. 1, granted 1 Aug 33 (pub. in [Seifen-Ole-Fette-Wachse] (Germany) 1937 v. 64, p. 874).

Korshak, V. V. and Kolesnikov, G. S.
TETRAETHYLLEAD. 35p 146refs
Order from OTS, SLA, or ETC $3.60 TT-64-16475

Trans. of Uspekhi Khimii (USSR) 1946, v. 15 [no. 3] p. 325-342.
Other translations are available in English from LC or SLA mi $3.00 ph $6.30 as TT-59-17242, 35p and in Dutch from OTS or ETC $2.55 as TT-61-17733, 36p.

Olenin, A.S.
HACIA LA ELEVACION DEL NIVEL EN LA EXPLOTACION TECNICA DE TURBERAS (Povysit' Uroven' Tekhnicheskoi Ekspluatatsii Torfyanykh Massivov) (Towards Higher Levels in Technical Exploitation of Peat Fields). 11p. CID:63-366.
Order from OTS, ETC or CID $1.60 TT-63-26766

Trans. in Spanish of Torfyanaya Promyshlennost' (USSR) 1954, v.31, no.7, p.17-19.

DESCRIPTORS: Industrial production, Plants (botany), Fuels.

Rudakov, G. V.
QUALITATIVE REGIONAL DIFFERENTATION OF CRUDE OILS FROM DIFFERENT PETROLEUM DISTRICTS CONNECTED WITH CRUDE OIL RECOVERY PROBLEMS. 6p 15refs
Order from SLA $1.10 TT-64-16416

Trans. of Petrol si Gaze (Rumania) 1963, v. 14, no. 2, p. 57-59.

Svajgl, Oldrich.
ASPHALTENES AND VANADIUM COMPOUNDS IN SULFUROUS CRUDE OILS. 14p 24refs
Order from SLA $1.60 TT-64-16423

Trans. of Chemicky Prumysl (Czechoslovakia) 1963, v. 13(38), no. 2, p. 63-67.

Wolf, Hans, Drexler, Franz, and Beller, Hans.
IMPROVEMENT OF DRYING OILS. [1964] 1p
Order from OTS, SLA, or ETC $1.10 TT-64-16251

Trans. of abstract of German patent 649,108, cl. 22h, gr. 2, granted [13 Feb] 31 (add. to German patent 610,600) by I. G. Farbenindustrie A.G. (pub. in [Seifen-Ole-Fette-Wachse] (Germany) 1937, v. 64, p. 796).

Leather and Textiles

PROCESS FOR PRODUCTION OF AN ARTIFICIAL GRAIN ON SPLIT LEATHER. 4p
Order from OTS, SLA, or ETC $1.10 TT-64-16641

Trans. of German patent 878,544, by C. Freudenberg Kommanditges, granted 5 June 53.

PROCESS FOR THE IMPROVEMENT OF LOOSE GRAIN LEATHERS. 6p
Order from OTS, SLA, or ETC $1.10 TT-64-16644

Trans. of German patent 889,349, by C. Freudenberg Kommanditges, granted 10 Sep 53.

Evald, E.A.
NUEVO METODO DE RESINIFICACION DE LA FIBRA DE CAÑAMO (Novyi Sposob Osmolki Pen'kovoi Pryazhi) (New Resinification Method for Hemp Fiber) 8p. CID:63-325.
Order from OTS, ETC or CID $1.10 TT-63-26725

Trans. in Spanish of Tekstil'naya Promyshlennost' (USSR) 1954, v.14, no.1, p.30-31.

DESCRIPTORS: *Fibers (natural), Transformations.

Klimt, Pavel.
ASBESTOS, A MINERAL FIBER OF THE TEXTILE INDUSTRY (Nerostne Vlakno Textilniho Prumyslu - Azbest) [1964] 8p (1 fig omitted)
Order from SLA $1.10 TT-64-16068

Trans. of Textil (Czechoslovakia) 1961, v. 16, p. 331-332.

Sippel, A.
PROCESS FOR PREPARATION OF GLACE AND SIMILAR LEATHERS 2p
Order from OTS, SLA, or ETC $1.10 TT-64-16629

Trans. of German patent 693.373, n.d.

Thomsen, C.
PROCESS FOR THE PREPARATION OF CONDENSATION PRODUCTS WITH TANNING ACTION. 3p
Order from OTS, SLA, or ETC $1.10 TT-64-16636

Trans. of German patent 824,237, by Farbwerke Hoechst A.G., granted 10 Dec. 51.

Photographic Materials

Baranova, V. P. and Gorokhovskii, Yu. N.
GLASS LIGHT-FILTERS FOR SENSITOMETRIC LIGHT-SOURCES. [21]p 12refs
Order from OTS, SLA, or ETC $2.60 TT-64-16541

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) 1963, v. 8, no. 6, p. 437-446.

Gesierich, Wolf, Niszl, Franz, and Schwarzkopf, Gerd.
PROCESS FOR THE SENSITIZATION OF ELECTROPHOTOGRAPHIC LAYERS WITH SLIGHT DYEING. [1964] 4p
Order from OTS, SLA or ETC $1.10 TT-64-14976

Trans. of German Patent 1,158,366 by Agfa Aktiengesellschaft, appl. 1 June 60, pub. 28 Nov 63.

Sheberstov, V. I.
INVESTIGATION OF THE ENERGY OF ACTIVATION OF THE DEVELOPMENT OF PHOTOGRAPHIC LAYERS. [116]p 41refs
Order from OTS, SLA, or ETC $9.60 TT-64-16546

Trans. of Vsesoyuznyi Nauchno-Issledovatelskii Kinofotoinstitut. Trudy (USSR) 1961, no. 42, p. 66-123.

Veprik, Ya. M., Sintsov, V. N., and Faerman, G.P.
INVESTIGATION OF THE KINETICS OF REDUCTION OF SILVER NITRATE WITH p-OXYPHENYL GLYCINE. [9]p 11refs
Order from OTS, SLA, or ETC $1.10 TT-64-16542

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) 1963, v. 8, no. 6, p. 434-437.

Plastics

Bier, G.
PROCESS FOR PREPARATION OF HYDROXYLATED MIXED POLYMERS OF VINYL CHLORIDE. 6p
Order from OTS, SLA, or ETC $1.10 TT-64-16646

Trans. of German patent 904,593, by Farbwerke Hoechst A.G., granted 22 Feb 54.

Dumon, R.
A NEW FRENCH PLASTIC MATTER: THE RILSAN. [16]p
Order from SLA $1.60 TT-64-16514

Trans. of Rev[ue] Générale [de] Mecanique (France) 1956, v. 40, p. 315-320.

Golubtsov, S.A., Popeleva, G.S. and others.
CONDENSATION THERMIQUE DU TRICHLOROSILANE ET DU METHYL DICHLOROSILANE AVEC DU CHLORURE DE VINYLE (Thermal Condensation of Trichlorosilane and Methyl-Trichlorosilane with Vinyl Chloride). tr.by Giuliani. 18p. 20refs. CNRS-VI 925.
Order from OTS, ETC or CNRS $1.60 TT-63-26947

Trans. in French of #Plasticheskie Massy (USSR) 1962, no.10, p.21-26.

DESCRIPTORS: *Silanes, Chlorine compounds, Condensation reactions.

Hammerschmid, E.
PROCESS FOR PREPARATION OF PLASTICS FROM ACETAL RESINS. 3p
Order from OTS, SLA, or ETC $1.10 TT-64-16645

Trans. of German patent 889,366, by Deutsche Gold und Silber-Scheide-Anstalt, Frankfurt, granted 10 Sep 53.

Rogovin, Z.A.
SUR CERTAINS PROBLÈMES DE LA CHIMIE ACTUELLE DE LA CELLULOSE (O Nekatorykh Problemakh Sovremennoi Khimii Tsellyulozy) (Problems in Contemporary Cellulose Chemistry). 25p. 26refs. CNRS-VI 928.
Order from OTS, ETC or CNRS $2.60 TT-63-26946

Trans. in French of Vsesoyuznoe Khimicheskoe Obshchestva. Zhurnal (USSR) 1962, v.7, no.2, p.154-163.

DESCRIPTORS: *Cellulose, Chemistry, Transformations, *Polymers, Synthesis.

Rubber and Elastomers

Dolgoplosk, B. A.
EXPLOSIVE CONCENTRATIONS OF GASES IN THE SYNTHETIC RUBBER INDUSTRY. 15p 3refs
Order from OTS, SLA, or ETC $1.60 TT-61-16950

Trans. of Sinteticheskii Kauchuk (USSR) 1934 [v. 3] no. 4, p. 20-35.

Schweitzer, O.
FILLERS FOR RUBBER AND PLASTIC MASSES. 5p
Order from OTS, SLA, or ETC $1.10 TT-64-16649

Trans. of German patent 953,010, by Deutsche Gold und Silber-Scheide-Anstalt, Frankfurt, granted 22 Nov 56.

Shilov, E. A.
SYNTHETIC RUBBER THROUGH 1,3-BUTANEDIOL. 11p 20refs
Order from OTS, SLA, or ETC $1.60 TT-61-18095

Trans. of Sinteticheskii Kauchuk (USSR) 1932 [v. 1] no. 2, p. 5-12.

Skachkov, A. S.
INDICATOR OF EXPLOSIVE CONCENTRATIONS OF GASES IN SYNTHETIC RUBBER PLANTS. 5p 1ref
Order from OTS, SLA, or ETC $1.10 TT-61-16627

Trans. of Sinteticheskii Kauchuk (USSR) 1936 [v. 5] no. 5, p. 20-24.

Wood and Paper

Brecht, Walter and Volk, Wilhelm.
STRESS STRAIN MEASUREMENT OF PAPERS IN THE STATE OF INITIAL WET STRENGTH. [1964] 16p (4 refs omitted)
Order from SLA $1.60 TT-64-16040

Trans. of Das Papier (West Germany) 1954, v. 8, no. 17/18, p. 365-70.
Another trans. is available from ATS $15.85 as ATS-31L296.

Korchemkin, F.N.
EL PROBLEMA DE LA INFLUENCIA DE LA HIDROLISIS ACUOSA PREVIA DE LA MADERA DE PINO SOBRE LA FIBRA DE CELULOSA OBTENIDA DE ELLA POR EL METODO DE SULFATO (K Voprosu o Vliyanii Vodnogo Predgidroliza Drevesiny Sosny na Tsellyuloznye Volonka, Vydelennye iz Nee Sul'fatnym Sposobom) (Influence of Preliminary Aqueous Hydrolysis of Pine Wood on the Cellulose Fiber Obtained Therefrom by the Sulphate Liquor Method). 8p. 5refs. CID:63-349.
Order from OTS, ETC or CID $1.10 TT-63-26749

Trans. in Spanish of *Zhurnal Prikladnoi Khimii (USSR) 1956, v.29, no.9, p.1440-1442.

DESCRIPTORS: *Wood, Pulp, Cellulose, *Hydrolysis.

Kratzl, K.
LIGNIN UTILIZATION. 26p (3 figs 38 refs omitted)
Order from SLA $2.60 TT-64-16385

Trans. of Ost[e]reichische] Chem[iker-] Z[ei]t[un]g (Austria) 1961, v. 62, no. 4, p. 102-115.

MATHEMATICS

Aleksandrov, P. S. and Khinchin, A. Ya.
MATHEMATICAL LIFE IN THE USSR ANDREI NIKOLAEVICH KOLMOGOROV: FOR HIS 50TH BIRTHDAY [Andrei Nikolaevich Kolmogorov: K Pyatidesyatiletiyu so dnya Rozhdeniya] Zelda D. Knowles, tr. 14 Jun 54, 37p (refs omitted) [PSC no. 54-5].

Order from OTS, SLA, or ETC $3.60 TT-64-15582

Partial trans. (p. 177-103) of Uspekhi Matematicheskikh Nauk (USSR) 1953, v. 8, no. 3(55) p. 176-200.
Another trans. is available from SLA as RT-2908, 48p.

Gel'fand, I. M. and Tsetlin, M. L.
FINITE REPRESENTATIONS OF THE GROUP OF ORTHOGONAL MATRICES. [1963] 7p 1ref.
Order from OTS, SLA, or ETC $1.10 AEC-tr-6134

Trans. of Akademiya Nauk SSSR. Doklady, 1950, v. 71, p. 1017-1020.

Gel'fand, I. M. and Tsetlin, M. L.
FINITE REPRESENTATIONS OF A GROUP OF UNIMODULAR MATRICES. [1963] 7p.
Order from OTS, SLA, or ETC $1.10 AEC-tr-6132

Trans. of Akademiya Nauk SSSR. Doklady, 1950, v. 71, p. 825-828.

Maryutin, M. and Mikheev, S.
USE OF COMPUTER EQUIPMENT FOR TECHNICAL SUPPLY. 22 May 64, 6p JPRS: 24717.
Order from OTS $0.50 TT-64-31308

Trans. of Tekhnika i Vooruzhenie (USSR) 1963, no. 3, p. 40-43.

Pliss, V. A.
ON THE NUMBER OF PERIODIC SOLUTIONS TO EQUATIONS WITH A POLYNOMIAL RIGHTHAND PART. [8p] 1ref
Order from OTS, SLA, or ETC $1.10 TT-64-16383

Trans. of [Akademiya Nauk SSSR]. Doklady, 1959, v. 127, no. 5, p. 965-968.

MECHANICS

Bolotin, Vladimir Vasil'evich.
NONCONSERVATIVE PROBLEMS OF THE THEORY OF ELASTIC STABILITY
T. K. Lusher, tr. 1964, 324p
Order from Macmillan Co., 60 Fifth Ave., New York, 11, N. Y. $10.00

Trans. of mono. [Nekonservativnye Zadachi Teorii Uprugoi Ustoichivosti, Moscow, 1961, 339p].

Gubanov, A.
DÉFORMATIONS ELEMENTAIRES DES CORPS "ÉLASTIQUES ET VISQUEUX"(Elementary Deformations of Plastic-Elastic Bodies). 26p. 3refs.
CNRS-XV 34.
Order from OTS, ETC or CNRS $1.00 TT-62-28194

Trans. in French of Zhurnal Tekhnicheskoi Fiziki (USSR) 1947, v.17, no.4, p.475-490.

DESCRIPTORS: *Materials, Elasticity, Viscosity, *Deformations, Vibrations, Theory.

Levin, A. V.
CACULATING THE FREQUENCIES OF THE NATURAL OSCILLATIONS OF BLADED DISCS WITH NATURALLY TWISTED BLADES (Vychislenie Chastot Sobstvennykh Kolebanii Oblopachennykh Diskov s Estestvenno Zakruchennymi Lopatkami). 14 Jun 63 [22p] (foreign text included) 2refs AEI Ref. T.P./T. 3294; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $2.60 TT-63-24548

Trans. of Energomashinostroenie (USSR) 1960, v. 6, no. 7, p. 1-5.
Another trans. is available from OTS or SLA $1.60 as TT-61-23533, DSIR-NLL-M. 2700 [14p].

Nazarov, M. I.
ON FREE VIBRATIONS OF CIRCULAR CYLINDRICAL AND SHALLOW SHELLS REINFORCED WITH A NETWORK OF RIBS. 9p 4refs
Order from OTS, SLA, or ETC $1.10 TT-64-16049

Trans. of Prykl[adnaya Mekhanika] (USSR) 1963, v. 9, no. 3, p. 249-258.

Rostovtsev, D. M.
THE PROBLEM OF DETERMINING THE WAVE BENDING MOMENT.
[1964] [39p] 12refs B. S. R. A. Trans. no. 1270; [DSIR] NLL M. 3936.
Order from OTS, SLA, or ETC $3.60 TT-64-13292

Trans. of [Korablestroitel'nyi Institut. Trudy] (USSR) 1960, v. 32, p. 35ff.

Aerodynamics and Pneumatics

Deich, M. E. and Gubarev, A. V.
A NEW METHOD OF PROFILING THE GUIDE CASCADES OF STAGES WITH SMALL RATIOS OF DIAMETER TO LENGTH (Novyi Metod Profilirovaniya Napravlyayushchikh Reshetok Stupenei s Malymi d/l). 8 Jan 63 [13p] (refs omitted) 4refs AEI Ref. T.P./T. 3277; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.60 TT-63-24555

Trans. of Teploenergetika (USSR) 1962 [v.9] no. 8, p. 42-47.

Deich, M. E., Gubarev, A. V. and others.
INVESTIGATING THE NEW NOZZLE CASCADES DEVELOPED BY THE MOSCOW INSTITUTE OF ENERGETICS FOR USE AT SUPERSONIC VELOCITIES (Issledovanie Novykh Soplovykh Reshetok MEI dlya Sverkhzvukovykh Skorostei). 17 Jan 63 [13p] 4refs
AEI Ref T.P./T. 3279; DSIR NLL-9022.03.
Order from OTS, SLA, or ETC $1.60 TT-63-24556

Trans. of Teploenergetika (USSR) 1962 [v. 9] no. 10, p. 47-52.
An unedited rough draft trans. is available from OTS or SLA $1.60 as 63-19158, FTD-TT-63-99, 4 Mar 63 [15p].

METALLURGY

SOVIET CONFERENCES ON METALLURGY.
19 May 64, 61p JPRS: 24651.
Order from OTS $1.75 TT-64-31281

Trans. of 12 selected articles from Aug-Oct 1963 issues of 6 Russian journals.

Akulov, A.I. and Pal'chuk, N.Yu.
SOLDADURE AUTOMATICA POR ARCO EN ATMOSFERA DE ARGON CON ELECTRODO FUSIBLE, DEL ACERO INOXIDABLE EN DISTINTAS POSICIONES (Avtomaticheskaya Argono-Dugovaya Svarka Plavyashchimsya Elektrodom Nerzhaveyushchei Stali v Razlichnykh Prostranstvennykh Polozheniyakh) (Fusible Electrode Automatic Arc Welding Under Argon Atmosphere of Stainless Steel in Different Position). 12p. CID:63-301
Order from OTS, ETC or CID $1.60 TT-63-26701

Trans. in Spanish of Svarochnoe Proizvodstvo (USSR) 1956, no.6, p.27-29.

DESCRIPTORS: Electrodes, *Arc welding, Automation, *Stainless steel, Argon, Atmosphere.

Alyamovskii [S.] I., Gel'd, P. V. and Shveikin, G. P.
ON THE BETA AND DELTA NIOBIUM OXYCARBIDES.
3p. Order from SIC $8.00

Abridged trans. of Akademiya Nauk SSSR. Izvestiya. Metallurgiya i Gornoe Delo, 1963, no. 6, p. 139-[145].

Appel, H.-G. and Becker, H.
DISTURBING FLOW PHENOMENA DURING THE DEEP DRAWING OF COLD ROLLED, ANNEALED 17% CHROMIUM STEEL STRIP.
May 64
Order from BISI £4 5s BISI-3665

Trans. of Zeitschrift für Metallkunde (West Germany) 1963, v. 54, [no. 12] p. 724-728.

Ardenne, M. von, and Förster, H.
VACUUM CASTING IN THE ELECTRON BEAM MULTI-CHAMBER FURNACE. Apr 64, 3400 words
Order from HB $9.70 HB-6005

Trans. of Neue Hütte (East Germany) 1963, v. 8, no. 6, p. 313-317.

Böhmer, S. and Richling, W.
HYDROGEN IN FERROSILICON. Apr 64, 800 words
Order from HB $2.80 HB-6265

Trans. of Neue Hütte (East Germany) 1963, v. 8, no. 11 p. 693-694.

Brainin, I. E. and Budinshtein, R. I.
PRODUCTION TESTS OF THE PATENTING OF CABLE WIRE IN TWO BATHS. Apr 64.
Order from BISI £4 14s BISI-3119

Trans. of Izvestiya V[ysshikh] U[chebnykh] Z[avedenii]. Chernaya Met[allurgiya] (USSR) 1961, no. 6, p. 139-144.

Dobrokhotov, N. N.
MATHEMATICAL CONCEPT OF THE PERIOD FROM MELTDOWN TO TAP IN THE OPEN-HEARTH FURNACE. Apr 64, 2500words
Order from HB $6.90 HB-5588

Trans. of Izvest[iya] V[ysshikh] U[chebnykh] Z[avedenii]. Chern[aya] Met[allurgiya] (USSR) 1962, no. 6, p. 39-50.

Drouet, C.
ULTRASONIC INSPECTION OF SHEET BY MEANS OF LAMB WAVES, PT. II. Apr 64, 4900 words.
Order from HB $12.80 HB-5964

Slightly abridged trans. of Métaux (Corrosion-Industries) (France) 1962 [v. 37] no. 440, p. 141-153.

Duda, J.
THE EFFECT OF SULPHUR CONTENT ON THE QUALITY OF SEAMLESS TUBES. May 64.
Order from BISI £6 14s BISI-3622

Trans. of Hutnicke Listy (Czechoslovakia) 1962, v. 17, no. 6, p. 390-395

Dukhovnyi, N.M.
FABRICACION DE FUNDENTES EN COQUILLA (Vyplavka Flyusa v Metallicheskom Kokile) (Manufacture of Die-Casting Fluxes). 7p. CID:63-322.
Order from OTS, ETC or CID $1.10 TT-63-26722

Trans. in Spanish of Svarochnoe Proizvodstvo (USSR) 1957, no.12, p.36-37.

DESCRIPTORS: *Soldering fluxes, Manufacturing methods.

Franke, E.
ESTIMATION OF THE COLD-DEFORMATION CAPACITY OF SHEET STEEL AND OBSERVATION OF THE LIMIT POINT OF ITS CAPACITY FOR COLD-DEFORMATION DURING COLD-ROLLING. Apr 64.
Order from BISI £3 10s BISI-3691

Trans. of Blech (West Germany) 1962, v. 9 [no. 11] p. 595-597.

Frantsevich, I. N.
RESULTS OF INVESTIGATIONS ON THE DEVELOPMENT OF MATERIALS FOR THE NEWER TECHNOLOGIES, CARRIED OUT AT THE METALLOCERAMICS AND SPECIAL ALLOYS INSTITUTE OF THE ACADEMY OF SCIENCES OF THE UKR. SSR.
Order from SIC $12.00

Trans. of Akademiya Nauk SSSR. Izvestiya. Metallurgiya i Gornoe Delo, 1963, no. 6, p. 5-11.

Galemin, I. M. and Ivantsov, G. I.
STUDY OF PIG IRON FROM THE COMBINED LINING OF BLAST-FURNACE HEARTH PAD AND HEARTH. Apr 64, 2300words
Order from HB $6.90 HB-6154

Trans. of Izvest[iya] V[ysshikh] U[chebnykh] Z[avedenii]. Chern[aya] Met[allurgiya] (USSR) 1963 [v. 6] no. 12, p. 28-34.

Heynert, G., Kahlhöfer, H., Meyer, K., and Bulle, G.
INDUSTRIAL-SCALE TRAILS ON INCREASING THE BLAST FURNACE OUTPUT BY CHARGING PELLETS (GENERAL DISCUSSION). Discussion of a paper of the same title by U. Petersen. Apr 64, 3100 words
Order from HB $8.60 HB-6143

Trans. of Stahl und Eisen (West Germany) 1963, v. 83, no. 26, p. 1695-1697

Hofmann, W. and Rauls, W.
RECENT OBSERVATIONS ON THE EFFECT OF HYDROGEN IN THE PROCESSING OF STEEL. Apr 64, 800 words
Order from HB $2.50 HB-6160

Trans. of Freiberger Forschungshefte. [Reihe] B. [Hüttenwesenmetallurgie] (West Germany) 1963, v. 76, Aug, p. 147-148.

Kats, Sh.N.
FESTIGKEIT VON ROHREN MIT LÄNGSSCHWEISSNÄHTEN (Strength of Longitudinal-Weld Tubes) 12p
Order from TIB $9.00

Trans. in German of Teploenergetika (USSR) 1963, v.10. no.2, p.74-77.

DESCRIPTORS: *Welds, Pipes, Mechanical properties.

Kocho, V. S., Grankovskii, V. I., Antosyak, V G., and Naidek, V. L.
HOW TO OBTAIN AN OPTIMUM LUMINOSITY OF THE (OPEN-HEARTH) FLAME. Apr 64, 2200words
Order from HB $6.60 HB-5369

Trans. of Izvest[iya] V[ysshikh] U[chebnykh] Z[avedenii]. Chern[aya] Met[allurgiya] (USSR) 1961, no. 8, p. 143-148.

Korotich, V. I.
INTERACTION BETWEEN THE LIQUID AND SOLID PHASES IN THE PELLETIZING OF IRON ORES AND CONCENTRATES. Apr 64, 3400words.
Order from HB $9.60 HB-6156

Trans. of Izvest[iya] V[ysshikh] U[chebnykh] Z[avedenii]. Chern[aya] Met[allurgiya] (USSR) 1963 [v. 6] no. 11, p. 22-29.

Krainer, M.
REMARKS ON THE DESULPHURISATION OF OXYGEN TOP BLOWING PROCESSES. May 64.
Order from BISI £5 BISI-3593

Trans. of Technische Mitteilungen Krupp. Forschungsberichte (Germany) 1963, v. 21, no. 2, p. 37-43.

Logeling.
CONTRIBUTION TO THE STUDY OF CYANIDES SCAFFOLDING, AND DISINTEGRATION IN THE BLAST-FURNACE STACK. May 64.
Order from BISI £9 BISI-3463

Trans. of Centre de Documentation Siderurgique. Circulaire d'Informations Techniques (France) 1953 [v. 10] no. 3, p. 465-492.

Malmberg, Tore.
PRINCIPLE AND APPLICATIONS OF THE ELECTRON-BEAM FURNACE. Apr 64, 3600words
Order from HB $9.50 HB-6142

Trans. of Jernkontoret [Stockholm]. Annaler (Sweden) 1963, v. 147, no. 11, p. 917-930.

Markov, B.F. and Gitman, E.B.
PRECIPITACION CONJUNTA DE METALES EN LA ELECTROLISIS DE ALEACIONES EN PRESENCIA DE POLARIZACION DE CONCENTRACIONES (Sovmestnoe Osazhdenie Metallov pri Elektrolize Rasplavov pri Nalichii Kontsentratsionnoi Polyarizatsii) (Joint Precipitation of Metals in Alloy Electrolysis in the Presence of Concentration Polarization). 10p. 2refs. CID:63-360.
Order from OTS, ETC or CID $1.10 TT-63-26760

Trans. in Spanish of Ukrainskii Khimicheskii Zhurnal (USSR) 1958, v.24, no.5, p.581-584.

DESCRIPTORS: *Alloys, *Metals, Electrolysis, Metallurgy.

Masumoto, H., Saitô, H. and others.
NOUVEL ALLIAGE D'ÉLINVAR "TUNG-ÉLINVAR" DANS LE SYSTÈME TERNAIRE DE CO, FE ET W. INFLUENCE DE L'ADDITION DE NI SUR SES PROPRIÉTÉS CARACTÉRISTIQUES (New Elinvar-type Alloy "Tungelinvar" in the Ternary System of Cobalt, Iron and Tungsten, and Influence of Addition of Nickel on Its Characteristics). 15p. (foreign text included) 9 refs. CNRS-XVII 639.
Order from OTS, ETC or CNRS $1.60 TT-63-26818

Trans. in French of Nihon Kinzoku Gakkai-Shi (Japan) 1961, v.25, no.11, p.716-720.

DESCRIPTORS: *Cobalt alloys, *Iron alloys, *Tungsten alloys, Nickel, Mechanical properties.

Nicodemi, W.
TESTS ON AUTOMATICALLY WELDED AUSTENITIC STAINLESS STEEL TUBES. Apr 64, 1700 words
Order from HB $5.90 HB-6144

Trans. of [la] Metallurgia Italiana, 1963, v. 55, no. 9, p. 467-473.

Ogryzkin, E. M.
BASIC CONDITIONS FOR DEPHOSPHORISATION TO PRECEDE DECARBURISATION IN THE TREATMENT OF THE PHOSPHORIC PIG IRONS IN THE OXYGEN CONVERTER. 10refs.
Order from SIC $15.00

Trans. of Akademiya Nauk SSSR. Izvestiya Metallurgiya i Gornoe Delo, 1963, no. 6, p. 52-60.

Pawelski, O.
TECHNICAL DEFORMATION CHARACTERISTICS OF HOT ROLLING MILLS. May 64.
Order from BISI £10 BISI-3620

Trans. of Stahl und Eisen (West Germany) 1963, v. 83 [no. 23] p. 1440-1451.

Rinesch, R. F.
14 YEARS OF LD PRACTICE: DEVELOPMENT, NOZZLE DESIGN, SPECIAL CHARGE MATERIALS. May 64.
Order from BISI £8 13s BISI-3482

Trans. of mono. (paper) presented at the International Congress on Oxygen Steel Plants, Le Touquet/ Dunkirk, 23-26 Sep 63.

Rodewald, H. J. and Studer, C.
SPECIAL TECHNIQUES OF NON-DESTRUCTIVE TESTING, PT. I. Apr 64, 4200 words.
Order from HB $12.60 HB-5725

Trans. of [das] Metall (West Germany) 1961, v. 15, no. 5, p. 410-414.

Rustem, S. L.
ALL-UNION CONFERENCE ON THE INDUSTRIAL USES OF HIGH-FREQUENCY CURRENTS, LENINGRAD. Apr 64, 2200words
Order from HB $4.80 HB-4191

Trans. of Metallovedenie i Termicheskaya [Obrabotka] Metallov (USSR) 1958, no. 4, p. 61-64.

Savitskii, E. M., Burhanov, G. S., and Kopetskii, Ch. V.
CAST REFRACTORY METALS AND ALLOYS.
Order from SIC $8.00

Abridged trans. of Akademiya Nauk SSSR. Izvestiya. Metallurgiya i Gornoe Delo, 1963, no. 6, p. 12-33.

Schenck, H. and Küppersbusch, H.
ON THE PERFORMANCE OF LARGE-CAPACITY BLAST FURNACES. Apr 64, 2600 words
Order from HB $7.80 HB-6093

Trans. of Stahl und Eisen (West Germany) 1963, v. 83, no. 22, p. 1345-1348.

Shimamura, Tetsuo.
A NEW PROCESS FOR WORKING UP JAPANESE IRON-BEARING SANDS. Apr 64, 3900words
Order from HB $9.75 HB-6145

Trans. of [la] Metallurgia Italiana, 1963, v. 55, no. 9, p. 477-478.

Surguchev, G. D. and others.
AUTOMATIC CONTROL OF THE PERIODS OF CHARGING AND HEATING-UP IN THE OPEN-HEARTH PROCESS. Apr 64, 2300words
Order from HB $6.90 HB-6106

Trans. of Izvest[iya] V[ysshikh] U[chebnykh] Z[avedenii]. Chern[aya] Met[allurgiya] (USSR) 1963 [v. 6] no. 9, p. 39-44.

Sy, A. de.
USE OF COPPER IN FLAKY-GRAPHITE CAST IRONS. PRACTICAL EXAMPLES. Apr 64, 4900 words.
Order from HB $13.50 HB-6196

Trans. of Giesserei (West Germany) 1964, v. 51, no. 1, p. 25-32.

Takahashi, Y. and others.
RELATIONSHIP BETWEEN SIZE DISTRIBUTION CHARACTERISTICS OF IRON ORE FINES AND THEIR OPTIMUM SIZE FOR PELLETIZING, PT. I. Apr 64, 1200words
Order from HB $4.20 HB-6150

Trans. of Tetsu to Hagane (Japan) 1963, v. 49, no. 10, p. 1262-1264.

Uvira, J.
A CONTRIBUTION TO THE DRAWING OF COLD PILGERED SEAMLESS STEEL TUBES WITHOUT MANDREL. Apr 64.
Order from BISI £2 15s BISI-3656

Trans. of Neue Hütte (East Germany) 1963, v. 8, [no. 2] p. 84-86.

Vertman, A. A. and Samarin, A. M.
SEPARATION OF LIQUID EUTECTICS BY MEANS OF CENTRIFUGING. [1963] [4p].
Order from OTS, SLA, or ETC $1.10 AEC-tr-6075

Trans. of [Akademiya Nauk SSSR. Institut Metallurgii. Trudy] 1962, no. 10, p. 152-154.

Watanabe, S. and others.
EFFECT OF VACUUM-TREATING METHOD ON THE LIMITS OF OXYGEN AND CARBON ELIMINATION, PT. II. Apr 64, 1700words
Order from HB $5.95 HB-6134

Trans. of Tetsu to Hagane (Japan) 1963, v. 49, no. 10, p. 1417-1419.

Weidtmann, G.
DESIGN OF A PROGRAMMED UNIVERSAL-SLABBING MILL. II. DRIVES AND CONTROL SYSTEMS. Apr 64.
Order from BISI £4 15s BISI-3304

Trans. of Stahl und Eisen (West Germany) 1963, v. 83 [no. 9] p. 509-514.

Weigl, Otto.
APPARATUS FOR THE AUTOMATIC STOPPING OF WIRE DRAWING MACHINES WHEN THE WIRE BREAKS BY MEANS OF ELECTROMAGNETIC CLUTCHES THROUGH WHICH THE CAPSTANS ARE DRIVEN. [1960] 3p.
Order from OTS, SLA, or ETC $1.10 TT-60-18899

Trans. of Austrain patent no. 102,250, issued 28 Dec 25, appl. 27 May 24, beginning of pat. term 15 Aug 25.

Weiner, R., Hesse, F., and Ruhr, E.
THE HARD CHROMIUM PLATING OF ELECTRO-POLISHED METAL SURFACES. Apr 64, 3100 words.
Order from HB $8.70 HB-5856

Trans. of [das] Metall (West Germany) 1963, v. 17, no. 1, p. 21-23.

Willems, J. and others.
INVESTIGATIONS INTO SCAFFOLDING IN BLAST FURNACES AND SCAFFOLD REMOVAL BY BLASTING. Apr 64, 5900 words
Order from HB $17.50 HB-6197

Trans. of Stahl und Eisen (West Germany) 1964, v. 84, no. 2, p. 57-62.

Wlodawer, R.
HYDROGEN AND OXYGEN ABSORPTION FROM THE MOLD AND ITS INFLUENCE ON THE OCCURRENCE OF PINHOLE POROSITY IN STEEL CASTINGS. Apr 64, 4800words
Order from HB $12.50 HB-5717

Trans. of Giesserei (West Germany) 1962, v. 49, no. 18, p. 605-610.

Ferrous Metals

A. S. ZAV'YALOV'S THEORY OF AUSTENITE TRANSFORMATION. 6p.
Order from SIC $12.00

Abridged trans. of Akademiya Nauk SSSR. Izvestiya. Metallurgiya i Dornoe Delo, 1963, no. 6, p. 174-183.

USSR INDUSTRIAL DEVELOPMENT: SOVIET FERROUS METALLURGY NO. 190. 21 May 64, 17p JPRS: 24703.
Order from OTS $0.50 TT-64-31303

Trans. of 2 selected articles and 8 news briefs from Feb-May 1964 issues of 7 Russian journals and newspapers.

Kawaguchi, T. and others.
SPECTROGRAPHIC DETERMINATION OF BORON IN AUSTENITIC STAINLESS STEEL. Apr 64, 1000words
Order from HB $3.50 HB-6194

Trans. of Tetsu to Hagane (Japan) 1963, v. 49, no. 10, p. 1605-1607.

Kocho, V. S., Dryapik, E. P. and Strel'chenko, A. G.
CONTINUOUS CONTROL OF LIQUID STEEL TEMPERATURE DURING OPEN-HEARTH REFINING. 3refs.
Order from SIC $12.00

Trans. of Akademiya Nauk SSSR. Izvestiya. Metallurgiya i Gornoe Delo, 1963, no. 6, p. 61-67.

Levin, E. S.
ON THE CONDITIONS FOR BUBBLE FORMATION IN LIQUID STEEL DURING VACUUM TREATMENT, AND THE POSSIBILITY OF HYDROGEN ELIMINATION IN BUBBLES. 24refs.
Order from SIC $12.00

Trans. of Akademiya Nauk SSSR. Izvestiya. Metallurgiya i Gornoe Delo, 1963, no. 6, p. 68-73.

Löfberg, A. and Eketorp, S.
CARBURIZATION OF LIQUID IRON AT 1420-1460°C BY USE OF FUEL OIL. Apr 64, 700 words
Order from HB $2.50 HB-6188

Trans. of Jernkontoret [Stockholm]. Annaler (Sweden) 1963, v. 147, no. 11, p. 913-916.

Mercier, A. and Hochmann, J.
EFFECT OF LOW BORON CONTENTS ON THE CREEP RESISTANCE OF 18/8 TYPE STEELS (WITH DISCUSSION). Apr 64.
Order from BISI £5 BISI-3629

Trans. of Revue de Métallurgie (France) 1963, v. 60 [no. 5] p. 477-485.

Panin, V. V., Borovskii, O. B., Ivakhnenko, I. S., and Iodkovskii, S. A.
X-RAY INVESTIGATION OF THE ELECTROSLAG REMELTING OF STEEL.
Order from SIC $12.00

Trans. of Akademiya Nauk SSSR. Izvestiya. Metallurgiya i Gornoe Delo, 1963, no. 6, p. 90-95.

Wahlster, M.
CALCULATION OF DESULPHURISATION IN A NUMBER OF STEEL-MAKING PROCESSES (WITH DISCUSSION). May 64.
Order from BISI £7 BISI-3587

Trans. of Stahl und Eisen (West Germany) 1964, v. 84 [no. 2] p. 63-73.

Wahlster, M.
DESULPHURISATION DURING PURE OXYGEN BLOWING OF HIGH PHOSPHORUS PIG IRON. May 64
Order from BISI £11 BISI-3594

Trans. of Technische Mitteilungen Krupp. Forschungsberichte (Germany) 1963, v. 21, no. 2, p. 44-56.

Light Metals

Glazova, V. V. and Kurnakov, N. N.
THE EFFECT OF TEMPERATURE ON THE HARDNESS OF TITANIUM-ZIRCONIUM ALLOYS. 7refs.
Order from SIC $12.00

Trans. of Akademiya Nauk SSSR. Izvestiya. Metallurgiya i Gornoe Delo, 1963, no. 6, p. 152-154.

Lainer, D. I. and Bai, A. S.
KINETICS OF TITANIUM OXIDATION BY STEAM. 6refs.
Order from SIC $12.00

Trans. of Akademiya Nauk SSSR. Izvestiya. Metallurgiya i Gornoe Delo, 1963, no. 6, p. 160-167.

Werner, O.
TWO NEW METHODS FOR THE DETERMINATION OF ALUMINUM OXIDE IN METALLIC ALUMINUM. Apr 64, 4300 words
Order from HB $12.90 HB-5357

Trans. of Z[eitschrift für] Anal[ytische] Chemie (Germany) [1941] v. 121, no. 11/12, p. 385-398.

Nonferrous (except light) Metals

Kornilov, I. I. and Myasnikova, K. P.
THE EFFECT OF TEMPERATURE ON THE HARDNESS OF BINARY NICKEL-PALLADIUM AND NICKEL-RHODIUM ALLOYS. 5refs.
Order from SIC $12.00

Trans. of Akademiya Nauk SSSR. Izvestiya. Metallurgiya i Gornoe Delo, 1963, no. 6, p. 146-151.

Plaksin, I. N., Barysheva, K. F., and Zaitseva, S. P.
ON THE ACTION OF FLOTATION REGULATING AGENTS ON RARE EARTH. 14refs.
Order from SIC $12.00

Trans. of Akademiya Nauk SSSR. Izvestiya. Metallurgiya i Gornoe Delo, 1963, no. 6, p. 168-173.

Pogodin, S. A. and Shpichinetskii, E. S.
SOLID SOLUTIONS OF LITHIUM IN LEAD.
14p (8 figs omitted) 9refs
Order from OTS, SLA, or ETC $1.60 TT-64-16445

Trans. of Akad[emiya] Nauk SSSR. Sektor Fiz[iko] Khim[icheskogo] Anal[iza]. Izvest[iya], 1947, v. 15, p. 88-95.
Another trans. is available from K-H $14.00 as K-H 3980 c

T'an, Ch'ing-lin
CHARACTERISTICS, USES AND OUTLOOK FOR THE PLATINUM GROUPS METALS. 19 May 64, 12p
JPRS: 24654 (p. 19-30)
Order from OTS $1.25 in TT-64-31283 (p. 19-30)

Trans. of K'o Hsüeh T'ung Pao (Chinese People's Republic) 1964, no. 3, p. 200-207.

Structural Metallurgy and Corrosion

Archakov, Yu. I. and others.
CORROSION CRACKING TESTS FOR STEELS TO SERVE AT HIGH TEMPERATURES AND PRESSURES IN LIQUID ENVIRONMENTS. Apr 64, 800words
Order from HB $2.60 HB-6266

Trans. of #Zavodskaya Laboratoriya (USSR) 1964, v. 30, no. 2, p. 221-222.

Cosimi, L.
CORROSION PROOF PLATING OF CARBON STEELS BY ELECTRO-DEPOSITION IN INERT GAS (MIG PROCESS). May 64.
Order from BISI #2 15s BISI-3612

Trans. of Rivista Italiana della Saldatura, 1962, v. 14, Mar/Apr, p. 70-73.

Effenberger, Dieter and Heisig, Ullrich.
A SIMPLE INSTALLATION FOR METALLOGRAPHIC STRUCTURAL DEVELOPMENT THROUGH ION ETCHING OR DAMPING (Eine Einfache Anordnung zur Metallographischen Gefügeentwicklung durch Ionenätzen oder Bedampfen). [16p] (foreign text included)
Order from SLA $1.60 TT-64-16395

Trans. of Neue Hütte (East Germany) 1963, v. 8, no. 11, p. 673-677.

Fuchs, E.
DETERMINATION OF THE QUANTITY OF RETAINED AUSTENITE IN HARDENED STEEL BY MEANS OF X-RAY STRUCTURAL ANALYSIS.
Apr 64, 4100 words
Order from HB $11.50 HB-6161

Trans. of Freiberger Forschungshefte. [Reihe B. Hüttenwesenmetallurgie] (West Germany) 1963, v. 76, Aug, p. 73-85.

Haessner, Frank.
CONTRIBUTION TO THE THEORY OF ROLLING TEXTURES IN FACE-CENTERED CUBIC METALS. Paper presented at the Berlin Metal Conference.
15 June 62. 46p 91refs
Order from SLA $4.60 TT-64-16578

Trans. of Zeitschrift für Metallkunde (West Germany) 1963, v. 54 [no. 2] p. 98-111.

Krasil'nikov, L. A. and Chertousov, V. A.
OSCILLOGRAPHIC METHOD OF DETERMINING THE ALPHA-PHASE IN AUSTENITIC STEEL. Apr 64, 600words
Order from HB $2.40 HB-6241

Trans. of #Zavodskaya Laboratoriya (USSR) 1963, v. 29, no. 12, p. 1463-1464.

Repkova, O.N.
ÉTUDE AU MICROSCOPE ÉLECTRONIQUE DES POUDRES D'OXYDE FERRIQUE (Elektronnomikroskopicheskoe Issledovanie Poroshkov Okisi Zheleza) (Investigation of Ferric Oxide Powders in Electron Microscopes). 9p. (foreign text included) 5 refs. CNRS-X 708.
Order from OTS, ETC or CNRS $1.10 TT-63-26605

Trans. in French of #Zavodskaya Laboratoriya (USSR) 1961, v.27, no.12, p.1494-1495.

DESCRIPTORS: *Iron compounds, *Oxides, Powders, Quality control, Ferrites.

Sharonova, T.N., Fedulova, N.I. and others.
ESTUDIO DE LAS CONDICIONES DE APARICION Y DESARROLLO DE LA CORROSION PITTING DEL HIERRO (Issledovanie Uslovii Vozniknoveniya i Razvitiya Pittingvoi Korrozii Zheleza) (Survey on those Conditions under Which Pitting Corrosion of Iron appears and Develops). 15p. 16refs. CID:63-312
Order from OTS, ETC or CID $1.60 TT-63-26712

Trans. in Spanish of #Zhurnal Fizicheskoi Khimii (USSR) 1959, v.33, no.1, p.208-212.

DESCRIPTORS: Iron, *Corrosion.

Tödt, F.
THE DIRECT INDICATION OF CORROSION OF METALS BY CURRENT MEASUREMENT, AND ITS PRACTICAL SIGNIFICANCE. [1961] [11p] 14refs.
Order from SLA $1.60 TT-61-10294

Trans. of [Zeitschrift der Wirtschaftsgruppe Zuckerindustrie] (Germany) 1929, v. 79, p. 1-16.

Wiegand, H. and Nieth, F.
INVESTIGATIONS INTO THE PERFORMANCE OF HOT-DIP GALVANIZED STEELS AND STRUCTURAL MEMBERS. Apr 64, 4700 words.
Order from HB $13.50 HB-6212

Trans. of Stahl und Eisen (West Germany) 1964, v. 84, no. 2, p. 82-88.

Yasinskaya, G. A. and Groisberg, M. S.
INTERACTION BETWEEN TITANIUM BORIDE AND COLUMBIUM AND TUNGSTEN. Apr 64, 700 words
Order from HB $2.50 HB-6252

Trans. of Poroshkovaya Metallurgiya (USSR) 1963, v. 3, no. 6, p. 36-37.

NUCLEAR PHYSICS AND NUCLEAR CHEMISTRY

Alikhanov, S. G.
A NEW IMPLUSE METHOD OF MEASUREMENT OF IONS MASSES. 3p 3refs
Order from OTS, SLA, or ETC $1.10 TT-64-16564

Trans. of #Zhurn[al] Eksperimentalnoi i Teoret[icheskoi] Fiz[iki] (USSR) 1956, v. 31 [no. 3] p. 517-518.

Herrera, Emillio.
DISCOVERY AND POSSIBILITIES OF ANTIPROTON. THE PHOTONIC BOMB. 10p
Order from SLA $1.10 TT-64-16560

Trans. of [le]Génie Civil (France) 1956, v. 133 [no. 1] p. 7-10.

Ryzhanov, S.G.
TEORIA DE LA FISION ASIMETRICA DE NUCLEOS PESADOS (K Teorii Asimmetrichnogo Deleniya Tyazhelykh Yader) (Theory of Asimmetric Fission of Heavy Nuclei). 10p. 12refs. CID:63-308.
Order from OTS, ETC or CID $1.10 TT-63-26708

Trans. in Spanish of #Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1956, v.30, no.3, p.599-601.

DESCRIPTORS: Nuclear reactions, *Fission.

Instruments and Installations

Bochvar, I. A., Vasil'eva, A. A., Keirim-Markus, I. B., Prosina, T. I., and Syritskaya, Z. M.
DOSIMETERS OF IONIZING RADIATION BASED ON THE MEASUREMENT OF THERMOLUMINESCENCE OF ALUMOPHOSPHATE GLASSES ("IKS" DOSIMETERS) (Dozimetry Ioniziruyushchikh Izluchenii, Osnovannye na Izmerenii Termolyuminestsentsii Alyumofosfatnykh Stekol (Dozimetry "IKS")) A. Pingell, tr. 1964 [14p] 9refs NRL Trans. no. 972; AD-600 493.
Order from OTS, SLA, or ETC $1.60 TT-64-15841

Trans. of #Atomnaya Energiya (USSR) 1963, v. 15, no. 1, p. 48-52.

Leshchinskii, N. I.
THE TRANSPORTATION OF RADIOACTIVE MATERIALS. Apr 64, 240p 39refs.
Order from OTS $3.00 AEC-tr-6315

Trans. of mono. Transportirovanie Radioaktivnykh Veshchestv, Moscow, 1962, 195p.

Shumilovskii, Nikolai Nikolaevich and Mel'ttser, Lel Vladimirovich.
RADIOACTIVE ISOTOPES IN INSTRUMENTATION AND CONTROL.
International Series of Monographs on Nuclear Energy, Div. IV: Isotopes and Radiation, v. 3
R. F. Kelleher, tr. 1964, 198p
Order from Macmillan Co., 60 Fifth Ave., New York, 11, N. Y. $10.00

Trans. of unidentified Russian mono. n.p., n.d.

Isotope Separation

Hertz, H. G. and Nann, E.
THE DEPENDENCY OF THE SEPARATION EFFECT UPON COUNTERCURRENT CIRCULATION IN THE GAS CENTRIFUGE. 4p 6refs
Order from SLA $1.10 TT-64-16316

Trans. of Z[eitschrift für] Naturforsch[un]g (West Germany) 1955, v. 10a, p. 170-171.
Another trans is available from SLA $1.10 as TT-61-18293 [7p].

Jovanovic-Kovacevic, Olga and Nestorovic, Radmila.
THE PRODUCTION OF ^{32}P FROM P_2O_5 IRRADIATED WITH NEUTRONS. 13 May 64, 7p 4refs JPRS: 24590.
Order from OTS $0.50 TT-64-31254

Trans. of Tehnika (Yugoslavia) 1964 [v. 19] no. 4, p. 623-625.

Nuclear Engineering and Power

Darras, R.
CORROSION PROBLEMS IN GAS-COOLED REACTORS P. J. Robinson, tr. 1959 [20p] 38refs UKAEA Information Series 8 (RD/W); [DSIR NLL] M. 1486.
Order from OTS, SLA, or ETC $1.60 TT-62-32405

Trans. of Bulletin d'Information Scientifique et Technique (France) 1958, no. 21, p. 13-25

Pinkhasik, M. S, Aristarkhov, N. N., and Karpov, A. V.
QUELQUES PROBLEMES RELATIFS A L'ESSAI D'EXPLOITATION DU REACTEUR A NEUTRONS RAPIDES BR-5 (Some Problems Relative to the Operational Testing of the Fast Neutron Reactor BR-5).
26 Nov 63 [44p] 1ref CEA Trans. no. R 1506 (text in French)
Order from OTS, SLA, or ETC $4.60 TT-64-15829

Trans. in French of mono. [Nekotorye Voprosy Optya Eksplutatsii Reaktori na Bystrykh Neitronakh BR-5] Moscow, 1961.
Other translations are available from OTS or SLA in French $4.60 as TT-62-33732, CEA-tr-R1602, 14 Apr 62 [50p] and in English $2.60 as AEC-tr-5266 [29p].

Radioactivity

Aglintsev, K. K. and Khol'nova, E. A.
CALORIMETRICAL MEASUREMENTS OF THE ACTIVITY AND NUMBER OF GAMMA-QUANTA PER DECAY ACT Sergey Shewchuck, tr. 2 Oct 63 [9p] 4refs.
Order from OTS, SLA, or ETC $1.10 UCRL-Trans-1002(L)

Trans. of Akademiya Nauk SSSR. Doklady, 1954, v. 98 [no. 3] p. 357-360.

Neiman, M. B. and Feklisov, G. I.
THE KINETIC METHOD FOR STUDYING THE MECHANISM OF CHEMICAL REACTIONS BY MEANS OF TAGGED ATOMS (Kineticheskii Metod Izucheniya Mekhanizma Khimicheskikh Reaktsii s Pomoshchyu Mechenykh Atomov) Marcel I. Weinreich, tr. 5 Nov. 63 [8p].
Order from OTS, SLA, or ETC $1.10 SCL-T-521

Trans. of Akademiya Nauk SSSR. Doklady, 1953, v. 91, no. 5, p. 1137-1140.

PHYSICS

EAST EUROPEAN SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 19. 15 May 64, 11p JPRS: 24631.
Order from OTS $0.50 TT-64-31273

Abstract trans. of Jaderna Energie (Czechoslovakia) 1964, v. 10, no. 3, p. 71-95

EAST EUROPEAN SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 20. 20 May 64, 4p JPRS: 24686.
Order from OTS $0.50 TT-64-31294

Abstract trans. of Annalen der Physik (East Germany) 1964 [ser. 7] v. 12, no. 7/8, p. 329-408.

USSR SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 9. 15 May 64, 191p JPRS: 24623
Order from OTS $3.00 TT-64-31269

Consists of abstracts of articles from selected scientific and technical journals of the USSR.

Arnol'd, V. I.
PROOF OF THE THEOREM OF A. N. KOLMOGOROV CONCERNING THE CONSERVATION OF CONDITIONALLY PERIODIC MOTIONS WITH SMALL CHANGE OF THE HAMILTONIAN FUNCTION. 7 May 64 [39p] 28refs FTD-MT-64-174; AD-600 136.
Order from OTS, SLA, or ETC $3.60 TT-64-15691

Edited machine trans. of Uspekhi Matematicheskikh Nauk (USSR) 1963, v. 18, no. 5(113) p. 13-40.

Kompaneets, A. S.
SHOCK WAVES IN A PLASTIC COMPACTING MEDIUM Sergey Shewchuck, tr. Oct 63 [6p] 2refs.
Order from OTS, SLA, or ETC $1.10 UCRL-Trans-1003(L)

Trans. of Akademiya Nauk SSSR. Doklady, 1956, v. 109 [no. 1] p. 49-52.
Another trans. is available from ASLIB, 3 Belgrave Square, London S. W. 1, England as ASLIB-GB-61.

Acoustics

Apanasenko, V. F.
A METHOD OF OBTAINING ULTRA-HIGH PRESSURES BY MEANS OF ULTRASONIC VIBRATIONS. 2p (1 fig omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-16486

Trans. of Russian Patent 148,970, cl B 06, gr. 42s, appl. 690,934/25, 28 Dec 60 (pub. in Byulleten' Izobretenii, 1962, no. 14)

Averkiev, V. P.
HYDROACOUSTICAL STATION "PALTUS".
18 May 64, 30p JPRS: 24635.
Order from OTS $0.75 TT-64-31276

Trans. of mono. Sudovye Rybopoiskovye i Elektronavigatsionnye Pribory (Marine Fish Scouting and Electronavigation Instruments) Leningrad, 1963, p. 75-90.

Schügerl, K.
ON THE NON-LINEARITY OF HEARING. 40p 21refs
Order from SLA $3.60 TT-64-16584

Trans. of Acustica (Switzerland) 1962, v. 12, no. 6, p. 386-397.

Electricity and Magnetism

Elpat'evskaya, O.D. and Perchuk, V.A.
OSCILLOGRAPHIE DU MOMENT ELECTROMAGNETIQUE D'UN MOTEUR ELECTRIQUE A COURANT CONTINU, A L'AIDE D'EMETTEURS A COUCHES MINCES DE FORCE ELECTROMOTRICE DE HALL(Ostsillografirovanie Elektromagnitnogo Momenta Elektrodvigatelya Postoyannogo Toka s Pomoshch'yu Plenochnykh Datchikov Eds Kholla) (Oscillographic Study of the Magnetic Field of a Direct Current Electric Motor by Means of the Hall Effect in Films). 8p. (foreign text included) 3refs. CNRS-X 463.
Order from OTS, ETC or CNRS $1.10 TT-62-29114

Trans. in French of #Zhurnal Tekhnicheskoi Fiziki (USSR) 1957, v.27, no.7, p.1595-1596.

DESCRIPTORS: *Electric motors, Direct current, Electromagnetic properties, *Hall effect, Oscillographs, Semiconductors.

Nitz, Herbert.
A CONTRIBUTION TO COMPUTATION OF THE INPUT IMPEDANCE FROM THE COMPLEX VALUE OF THE REFLEXION COEFFICIENT AND VICE VERSA. 27p
Order from SLA $2.60 TT-64-16588

Trans. of Frequenz (West Germany) 1963, v. 17 [no. 5] p. 165-172.

Electronics

Barshchevskii, B.A.
LA REPARTITION SPECTRALE DE L'EFFET PHOTOELECTRIQUE DANS UN PHOTOELEMENT ANTIMOINE-CESIUM (SENSIBLE AUX RAYONS ULTRAVIOLETS), DANS LE DOMAINE 2483-5790A° (Spektral'noe Raspredelenie Foto-Effekta v Sur'myano-Tsezievom Fotoelemente s Uviolevym Okoshkom v Oblasti 2483-5790A°) (Spectral Distribution of the Photoelectric Effect in an Antimony-Cesium Photocell with a Uviol Glass Window in the Range 2483-5790A°). 7p. (foreign text included)
CNRS-X 151.
Order from OTS, ETC or CNRS $1.10 TT-62-29116

Trans. in French of Zhurnal Tekhnicheskoi Fiziki (USSR) 1948, v.18, no.9, p.1230-1231.

DESCRIPTORS: *Antimony alloys, *Cesium alloys, Photoelectric cells (semiconductor), *Photoelectric effect, Ultraviolet spectroscopy.

Borzyak, P. G.
THE PHOTO EFFECT IN SILVER-OXYGEN-CESIUM PHOTOCATHODES.
[1964] [15p] 9refs AERDL T-1718.
Order from OTS, SLA, or ETC $1.60 TT-64-15586

Trans. of A[kademiya] N[auk] URSR [Kiev]. Instytut Fizyky. Trudy, 1953, v. 4, p. 11-27.

Dykman, I. M.
THE PHOTO EFFECT IN COLLOIDAL METAL PARTICLES. [1964] [12p] 8refs AERDL T-1721.
Order from OTS, SLA, or ETC $1.60 TT-64-15584

Trans. of A[kademiya] N[auk] URSR [Kiev]. Instytut Fizyky. Trudy [1954] v. 5, p. 94-104.

Loshkarev, A. I.
USE OF A CONDUCTING GAS IN A MAGNETIC FIELD IN HYPERVELOCITY GUNS (O Metanii Tela Provodyaschchim Gazom v Magnitnom Pole). [1964] [32p] (foreign text included) 5refs
Order from OTS, SLA, or ETC $3.60 TT-64-10801

Trans. of Moscow U. Vestnik. [Seriya I: Matematika, Mekhanika] (USSR) 1962 [v. 17] no. 4, p. 75-84.

Lyubimov, G. A.
NEAR-ELECTRODE SHEATHES FOR A CHANGE IN POTENTIAL DURING PASSAGE OF A WEAK CURRENT THROUGH AN IONIZED GAS. 5p 5refs
Order from OTS, SLA, or ETC $1.10 TT-64-16017

Trans. of [Zhurnal] Prikl [adnoi] Mekh [aniki] i Tekh [nicheskoi] Fiz [iki] (USSR) 1963, no. 6, p. 148-156.

Morgulis, N.D. and Korchevoi, Yu.P.
CERTAINES PROPRIETES DU PLASMA DE CESIUM D'UN CONVERTISSEUR THERMO-ELECTRONIQUE D'ENERGIE (Nekotorye Svoistva Tsezievoi Plazmy Termoelektronnogo Preobrazovatelya Energii) (Some Properties of the Cesium Plasma Thermoelectron Energy Converter). 11p. (foreign text included) 6refs. CNRS-X 623.
Order from OTS, ETC or CNRS $1.60 TT-62-29108

Trans. in French of Akademiya Nauk SSSR. Doklady, 1961. v.136. no.2. p. 336-338.
Trans. in English available from OTS or ETC $1.10 as TT-61-31542, NRL-Trans-846, 1961, 6p.

DESCRIPTORS: *Cesium, Vapors, Energy conversion, Electrons, Plasma physics, *Thermionic converters.

Morozov, P. M. and Butslov, M. M.
THE OPTICAL AND ELECTRICAL PROPERTIES OF SILVER FILMS IN GLASS. [1964] [24p] 6refs AERDL T-1719.
Order from OTS, SLA, or ETC $2.60 TT-64-15585

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) 1946, v. 16, no. 8, p. 857-878.

Popov, S.N.
ÉTUDE DU DUOPLASMOTRON D'ARDENNE (Issledovanie Duoplazmotrona Ardenne) (Study of Ardenne"s Duoplasmotron). 16p. (foreign text included) 12refs. CNRS-X 641.
Order from OTS, ETC or CNRS $1.60 TT-62-29106

Trans. in French of #Pribory i Tekhnika Eksperimenta (USSR) 1961 [v. 6] no. 4, p. 20-24.

DESCRIPTORS: *Plasma jets, Hydrogen, Ions, *Ion beams, Electrons, Cathodes, Experimental data.

Rusanov, V. D.
MODERN PLASMA RESEARCH METHODS. Apr 64, 207p 175refs.
Order from OTS $3.00 AEC-tr-6348

Trans. of mono. Sovremennye Metody Issledovaniya Plazmy, Moscow, 1962, 183p.

Molecular Physics and Spectroscopy

Filippov, M.T., Dzhagatspanyan, R.V. and others.
SPECTRES INFRAROUGES DE QUELQUES CHLOROSILANES ORGANIQUES CONTENANT DU CHLORE DANS LE GROUPEMENT ORGANIQUE (Infrared Spectra of Some Organochlorosilanes Containing Chlorine Within the Organic Group). 10p. 7refs. CNRS-VIII 161.
Order from OTS, ETC or CNRS $1.10 TT-63-26938

Trans. in French of #Zhurnal Fizicheskoi Khimii (USSR) 1962, v.36, p.1751-1754.

DESCRIPTORS: *Silanes, Chlorine compounds, Carbon compounds, *Infrared spectroscopy.

Gruzdev. P. F.
CHARACTERISTIC FREQUENCIES OF ALKENES: DETERMINATION OF THE STRUCTURE OF THE ALKENE MOLECULE ACCORDING TO ITS SPECTRUM. Zelda D. Knowles, tr. 6 Dec 54, 7p 16refs [PSC no. 54-123].
Order from OTS, SLA, or ETC $1.10 TT-64-15562

Partial trans. (p. 516-518) of Zhurnal Fizicheskoi Khimii (USSR) 1954, v. 28, no. 3, p. 507-518.
Another trans. is available from SLA as RT-2248, 7p.

Lukirskii, A. P.
A SPECTROMETER FOR ULTRA-SOFT X-RAY RADIATION WITH COMPREHENSIVE REGISTRATION OF RADIATION BY MENAS OF SECONDARY-ELECTRON MULTIPLIERS AND A GEIGER COUNTER (Spektrometr dlya Ul'tramyagkogo Rentgenovskogo Izlucheniya s Kompleksnoi Registratsiei Izlucheniya pri Pomoshchi Vtorichno-Elektronnych Umnozhitelei i Schetchika Geigera). 6p 8refs AERDL T-1620; AD-600 325.
Order from OTS, SLA, or ETC $1.10 TT-64-15839

Trans. of #Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1961 [v. 25] no. 8, p. 913-918.

Yoshino. T.
L'INTENSITÉ DES RAIES RAMAN ET LA STRUCTURE MOLÉCULAIRE. I. L'INTENSITÉ ET LE DEGRÉ DE DÉPOLARISATION D'APRÈS LA THÉORIE DE POLARISABILITÉ (Intensity of Raman Lines and Molecular Structure. I. Intensity and Polarization of Raman Lines in the Polarization Theory). 11p. 9refs. CNRS-VIII bis 171.
Order from OTS, ETC or CNRS $1.60 TT-62-26650

Trans. in French of Nihon Kagaku Zasshi (Japan) 1952, v.73, p.591-594.

DESCRIPTORS: *Raman spectroscopy, Molecular structure, Line spectrum, Polarization, Theory.

Optics

SOVIET ADVANCED LASER PROPOSALS: COMPREHENSIVE REPORT. Rept. no. 1 on AID Work Assignment no. 14.
13 May 64 [33p] 60refs AID Rept P-64-35.
Order from OTS, SLA, or ETC $3.60 TT-64-15657

Flügge, Joh.
A STUDY ON THE IMPROVEMENT OF VISUAL ACUITY BY MEANS OF TELESCOPES (Betrachtungen zur Frage der Sehschärfenverbesserung durch Ferngläser). [1961] 13p 12refs.
Order from SLA $1.60 TT-61-14189

Trans. of Z[eitschrift] f[ür] Instr[umentenkunde] (Germany) 1935, v. 55, no. 9, p. 367-373.

Gehlhoff, G.
THE REASONS FOR IMPROVEMENT OF NIGHT VISION THROUGH TELESCOPES (Die Ursachen der Verbesserung des Nachtsehens durch Fernglässer). [1961] 10p (figs tables omitted) 2refs.
Order from SLA $1.10 TT-61-14197

Trans. of Z[eitschrift] f[ür] Tech[nische] Phys[ik] (Germany) 1921, v. 2, p. 245-250.

Hartinger, H.
THE DISTORTIONS OF SIMPLE PRISMS (Die Verzeichnungsfehler Einfacher Prismen). [1961] 28p 3refs.
Order from SLA $2.60 TT-61-14207

Trans. of Z[eitschrift] f[ür] Op[hthalmologische] Opt[ik] (Germany) 1927, v. 15, p. 129-146.

Kühl, A.
VISUAL PERFORMANCES OF TELESCOPES (Visuelle Leistungen von Fernrohren). [1961] 9p (figs omitted).
Order from SLA $1.10 TT-61-14273

Trans. of Z[eitschrift] f[ür] Techn[ische] Physik (Germany) 1926, v. 7, no. 12, p. 636-640.

Lehmann, A.
ACTIVE CONTRAST TRANSFER THEORY. 22p 23refs
Order from SLA $2.60 TT-64-16390

Trans. of Optica Acta (France) 1959, v. 6, no. 4 [p. 319-338].

Löhle, F.
ON THE IMPROVEMENT OF NIGHT VISION THROUGH TELESCOPES (Über die Verdesserung des Nachtsehens durch Ferngläser). [1961] 14p 14refs.
Order from SLA $1.60 TT-61-14290

Trans. of Z[eitschrift] f[ür] Instr[umentenkunde] (Germany) 1929, v. 49, no. 12, p. 595-600.

Nagel, Max and Klughardt, A.
ON THE MEASUREMENTS OF THE TWILIGHT PUPIL OF THE EYE BY MEANS OF INFRARED PHOTOGRAPHY (Über Messungen der Dämmerungspupille des Auges Mittels Ultrarotphotographie). [1961] 10p 12refs.
Order from SLA $1.10 TT-61-14346

Trans. of Z[eitschrift] f[ür] Phys[ik] (Germany) 1936, v. 101, p. 373-377.

Rohr, M. v.
ON PERSPECTIVE REPRESENTATIONS AND THE MEANS FOR UNDERSTANDING THEM (Über Perspektivische Darstellungen und die Hülfsmittel zu Ihrem Verständnis). [1961] 19p (figs omitted).
Order from SLA $1.60 TT-61-14379

Trans. of Z[eitschrift] f[ür] Instr[umentenkunde] (Germany) 1905, v. 25, no. 10, p. 293-305.

Rohr, M. v.
ON PERSPECTIVE REPRESENTATIONS AND THE MEANS FOR UNDERSTANDING THEM (CONTINUATION) (Über Perspektivische Darstellungen und die (Hülfsmittel zu Ihrem Verständnis). [1961] 12p (refs omitted).
Order from SLA $1.60 TT-61-14382

Trans. of Z[eitschrift] f[ür] Instr[umentenkunde] (Germany) 1905, v. 25, no. 12, p. 361-371.

Rohr, M. v.
ON PERSPECTIVE REPRESENTATIONS AND THE MEANS FOR UNDERSTANDING THEM, II (Über Perspektivische Darstellungen und die Hülfsmittel zu Ihrem Verständnis). [1961] 21p (refs omitted.)
Order from SLA $2.60 TT-61-14378

Trans. of Z[eitschrift] f[ür] Instr[umentenkunde] (Germany) 1905, v. 25, no. 11, p. 329-339.

Ronchi, Vasco.
ON THE LUMINOSITY OF THE IMAGES SEEN THROUGH TELESCOPES (Über die Luminosität der Bilder in Ferngohren). [1961] 11p 15refs.
Order from SLA $1.60 TT-61-14398

Trans. of Z[eitschrift] f[ür] Instr[umentenkunde] (Germany) 1938, v. 58, no. 8, p. 316-321.

Solid State Physics

Arkhangel'skii, M. E.
THE VARIATION OF DIFFUSION COEFFICIENT IN HETEROGENEOUS SYSTEMS BY THE ACTION OF ULTRASONICS. 9p 10refs
Order from OTS, SLA, or ETC $1.10 TT-64-16308

Trans. of Akust[icheskii] Zh[urnal] (USSR) 1962, v. 8 [no. 1] p. 49-55.

Brandt, A.A.
MÉTHODE DE MESURE DE LA PERMÉABILITÉ DIÉLECTRIQUE DES DIÉLECTRIQUES DANS L'INTERVALLE DES ONDES DE 40: 5 cm (Metod Izmereniya Dielektricheskoi Pronitsaemosti Dielektrikov v Diapazone Voln 40 ÷ 5 cm) (Method of Measuring the Dielectric Permittivity at the Wave Length of 40 - 5 cm). 15p. (foreign text included) 9refs. CNRS-X 465.
Order from OTS, ETC or CNRS $1.60 TT-62-29101

Trans. in French of Pribory i Tekhnika Eksperimenta (USSR) 1957, no.6, p.82-85.

DESCRIPTORS: *Dielectrics, *Dielectric properties, Installation, Measurement, Theory.

Busch, G. and Mooser, E.
THE MAGNETIC CHARACTERISTICS OF THE SEMICONDUCTOR WITH PARTICULAR CONSIDERATION OF GRAY TIN. 36p 24refs
Order from SLA $3.60 TT-64-16337

Trans. of Helvetica Physica Acta (Switzerland) 1953, v. 26 [no. 6] p. 611-656.
Another trans. is available from SLA as 58-1917 (39p)

Davydov, A.S.
AU SUJET DE LA THÉORIE D'ABSORPTION DE LA LUMIÈRE PAR LE BENZOL CRISTALLIN (Theory of Absorption of Light by Crystalline Benzene). 7p. 6 refs. CNRS-VIII bis 242.
Order from OTS, ETC or CNRS $1.10 TT-62-26698

Trans. in French of Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1951, v.21, no.6, p.673-676.

DESCRIPTORS: *Benzenes, Crystals, Light, Absorption, Single crystals, *Molecular structure.

Dergunov, E. P.
COMPLEX FORMATION BETWEEN ALKALI METAL FLUORIDES AND FLUORIDES OF THE LANTHANUM GROUP METALS C. B. Finch, tr. [1964] 6p 6refs.
Order from OTS, SLA, or ETC $1.10 AEC-tr-6232

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1952, v. 85, no. 5, p. 1025-1028.

Fukuda, K., Okuda, A. and Uchida, Y.
UNE NOUVELLE MÉTHODE DE PRÉPARATION DE MONOCRISTAUX DE LiF ET SES PROPRIÉTÉS OPTIQUES (A New Method for Crystal Growth and Optical Properties of Lithium Fluoride Crystals). 15p. CNRS-VIII bis 471.
Order from OTS, ETC or CNRS $1.60 TT-62-26645

Trans. in French of Oyo Butsuri (Japan) 1958, v.27, no.9, p.535-540.

DESCRIPTORS: *Lithium compounds, *Fluorides, *Single crystals, Optical properties, *Infrared optical materials, *Ultraviolet optical materials, Crystal growth.

Gertsriken, S. D. and Dekhtyar, I. Ya.
SOLID STATE DIFFUSION IN METALS AND ALLOYS. Apr 64, 528p 140refs.
Order from OTS $6.00 AEC-tr-6313

Trans. of mono. Diffuziya v Metallakh i Splavakh v Tverdoi Faze, Moscow, 1960, 564p.

Golovchiner, Ya. M.
METHODS OF DETECTING SECOND ORDER STRESSES AND OF MEASURING BLOCK SIZES R. Hardbottle, tr. 1963 [23p] 47refs TRG IS 310 (CA).
Order from OTS, SLA, or ETC $2.60 TT-64-15254

Trans. of #Zavod[skaya] Lab[oratoriya] (USSR) 1960, v. 26 [no. 4] p. 431-444.

Gurevich, B.Kh.
AU SUJET DES PROPRIÉTÉS TENSOMETRIQUES DES SÉMI-CONDUCTEURS (K Voprosu o Tenxometricheskikh Svoistvakh Poluprovodnikov) (The Tensile Properties of Semiconductors). 24p. (foreign text included) CNRS-X 142.
Order from OTS, ETC or CNRS $2.60 TT-62-29117

Trans. in French of Zhurnal Tekhnicheskoi Fiziki (USSR) 1946, v.16, no.4, p.427-436.

DESCRIPTORS: *Semiconductors, *Tensile properties, *Electrical conductance, Measurement.

Hertsriken, S.D., Il'kevich, G. and others.
TRAVAUX ORIGINAUX CONCERNANT LA DÉTERMINATION DU COEFFICIENT DE DIFFUSION DES MÉTAUX PAR LA MÉTHODE D'ÉVAPORATION (Determination of the Diffusion Coefficient of Metals by the Evaporation Method). 18p. 11refs. CNRS-VIII bis 258.
Order from OTS, ETC or CNRS $1.60 TT-62-26692

Trans. in French of Zhurnal Tekhnicheskoi Fiziki (USSR) 1940, v.10, no.10, p.786-794.

DESCRIPTORS: *Metals, Alloys, *Diffusion, Evaporation.

Kosman, M.S. and Ivanyuk, N.
CHAMP ÉLECTRIQUE FORMÉ DANS UN SÉMICONDUCTEUR LORS DU PASSAGE DU COURANT ET ARRACHEMENT DES ÉLECTRONS PAR CE CHAMP (Elektricheskoe Pole v Poluprovodnike pri Porkhozhdenii po Nemu Toka i Vyryvanie Etim Polem Elektronov) (Electric Field in Semiconductors During the Passage of a Current and the Ejection of Electrons by this Field). 12p. (foreign text included) CNRS-C 150.
Order from OTS, ETC or CNRS $1.60 TT-62-29115

Trans. in French of Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1941, v.11, no.1, p.85-88.

DESCRIPTORS: *Semiconductors, Electric currents, *Electric fields, Measurement, Glass, Electrons.

Malinskii, Yu. M.
EFFECT OF SMALL AMOUNTS OF ONE OF THE COMPONENTS ON THE MECHANICAL PROPERTIES OF THE COPOLYMER. [4p] 5refs
Order from OTS, SLA, or ETC $1.10 TT-64-16300

Trans. of Zhur[nal] Fiz[icheskoi] Khim[ii] (USSR) 1956, v. 30 [no. 4] p. 934-936.

Natta, G. and Corradini, P.
CONCERNING THE CRYSTALLINE STRUCTURE OF 1,4-cis-POLYBUTADIENE AND 1,4-cis-POLYISOPRENE. 4p 3refs
Order from SLA $1.10 TT-64-16315

Trans. of Angew[andte] Chem[ie] (West Germany) 1956, v. 68, no. 19, p. 615-616.
Another trans. is available from SLA mi $1.80, ph $1.80 as TT-59-10683 [6p].

Ogawa, T.
CROISSANCE DES PLAQUES CRISTALLINES DE L'ADP (Growth of ADP Plate Crystals from Solution) 6p. 8refs. CNRS-VIII bis 444.
Order from OTS, ETC or CNRS $1.10 TT-62-26637

Trans. in French of Oyo Butsuri (Japan) 1957, v.26, no.10, p.526-527.

DESCRIPTORS: *Phosphates, Ammonium compounds Crystals, *Crystallization, Experimental data.

Potemkin, A. Ya. and Sirishin, V. P.
THE EFFECT OF HEAT TREATMENT IN AN EXTRACTION FURNACE ON THE ELECTRICAL PROPERTIES OF SILICON SINGLE CRYSTALS. 4refs.
Order from SIC $12.00

Trans. of Akademiya Nauk SSSR. Izvestiya. Metallurgiya i Gornoe Delo, 1963, no. 6, p. 116-119.

Wilkens, M. and Meier, F.
DISLOCATION CONTRAST WIDTH ON X-RAY FILM. 18p 19refs
Order from SLA $1.60 TT-64-16579

Trans. of Zeitschrift fllr Naturforschung (West Germany) 1963, v. 18a [no. 1], p. 26-31.

Zavt, G. S. and Kristoffel, N. N.
LOCALIZED MODES OF VIBRATIONS IN IONIC CRYSTALS WITH AN ISOTOPIC DEFECT (Lokal'nye Kolebaniya v Ionnykh Kristallakh s Izotopicheskim Defektom) A. Pingell, tr. 1964 [15p] 23refs NRL Trans. 970; AD-600 492.
Order from OTS, SLA, or ETC $1.60 TT-64-15840

Trans. of Akademiya Nauk Estonskoi SSR [Tallinn]. Institut Fiziki i Astronomii. Trudy, 1963, v. 23, p. 3-17.

Briling, N. R.
INVESTIGATION OF THE HEAT TRANSFER IN AN INTERNAL-COMBUSTION PISTON ENGINE
A. J. Greening, tr. [13p] 2refs MIRA Trans. no. 25/63; DSIR NLL-9022.6.
Order from OTS, SLA, or ETC $1.60 TT-64-13033

Trans. of A[kademiya] N[auk] SSSR. Labor[atoriya] Dvigatelei. Tr[udy] 1958, v. 4, p. 79-84.

Isachenko, V.P.
DIE WÄRMEABGABE BEI DER TROPFKONDENSATION (Heat Transfer During Dropwise Condensation of Steam). 7p.
Order from TIB $5.25

Trans. in German of Teploenergetika (USSR) 1962, v.9, no.12, p.54-56.

DESCRIPTORS: *Heat transfer, *Condensation, Steam, Drops.

Kanevskii, E.A.
NATURE DU POTENTIEL DE L'ÉLECTRODE ET ÉCHELLE THERMODYNAMIQUE ABSOLUE DES POTENTIELS DES ÉLECTRODES (The Nature of the Electrode Potential and the Thermodynamic (Absolute) Scale of Electrode Potentials). 31p. 25 refs. CNRS-VIII bis 183.
Order from OTS, ETC or CNRS $3.60 TT-62-26678

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1953, v.27, no.2, p.296-309.

DESCRIPTORS: Electrodes, *Electric potential, *Thermodynamics, Theory.

Kubanskii, P.N.
INTENSIVIERUNG DES WÄRMEAUSTAUSCHES DURCH ULTRASCHALL (Ultrasonic Intensification of Heat Transfer).
Order from TIB $1.05

Trans. in German of Teploenergetika (USSR) 1962, v.9. no.11, p.79-84.

DESCRIPTORS: *Heat transfer, Ultrasonic radiation.

Mamedov, A.M.
SPEZIFISCHE WÄRME DES WASSERS c_v IN ABHÄNGIGKEIT VOM DRUCK UND VON DER TEMPERATUR (Specific Heat c_v of Water as a Function of Temperature and Pressure). 8p.
Order from TIB$6.00

Trans. in German of Teploenergetika (USSR) 1963, v.10, no.5, p.69-70.

DESCRIPTORS: *Specific heat, Water, Temperature, Pressure.

Mirtskhulava, I.A.
THERMODYNAMIQUE DES SOLUTIONS CONCENTRÉES DES ÉLECTROLYTES FORTS. II. (Thermodynamics of Concentrated Solutions of Strong Electrolytes. II.). 14p. 5refs. CNRS-VIII bis 121.
Order from OTS, ETC or CNRS $1.60 TT-62-26671

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1952, v.26, no.1, p.39-47.

DESCRIPTORS: Electrolytes, *Thermodynamics, *Electric potential, *Ions, Solutions, Energy, Theory.

Povarnitsyn, M. S.
INVESTIGATION OF THE TEMPERATURE FIELD IN AN ASSYMETRICALLY HEATED SANDWICH PLATE WITH A HONEYCOMB CORE. 22 Apr 64 [12p] 1ref RSIC-169; AD-600 130
Order from OTS, $0.50 TT-64-11645

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) 1961, v. 4, no. 10, p. 64-70.

Rozenblat, G. B.
INVESTIGATION OF HEAT TRANSFER FROM COMBUSTION GASES TO THE CYLINDER WELL IN A DIESEL ENGINE. [10p] B. S. R. A. Trans. no. 1382; DSIR NLL-9022.065.
Order from OTS, SLA, or ETC $1.10 TT-64-13226

Trans. of #Vestnik Mashinostroeniya (USSR) 1962 [v. 42] no. 2, p. 22-26.

Sirota, A.M., Mal'tsev, B.K. and Belyakova, P.E.
STÜTZPUNKTTABELLEN DER SPEZIFISCHEN WÄRME c_p UND DER ENTHALPIE VON WASSER UND WASSERDAMPF (Tables of Reference Points of Specific Heat c_p and Enthalpy of Water and Water Vapor). 11p.
Order from TIB $8.25

Trans. in German of Teploenergetika (USSR) 1963, v.10, no.5, p.64-69.

DESCRIPTORS: *Specific heat, *Enthalpy, Water, Water vapor.

Spirin, Yu.L.
SUR L'ÉNERGIE D'ACTIVATION DES RÉACTIONS DE RADICAUX (Ob Energii Aktivatsii Radikal'nykh Reaktsii) (The Activation Energy of Radical Reactions). 10p. (foreign text included) 4 refs. CNRS-VIII bis 841.
Order from OTS, ETC or CNRS $1.10 TT-63-26607

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1962, v.36, no.6, p.1202-1204.

DESCRIPTORS: *Chemical reactions, Chemical bonds, Polarization, Atoms, Theory.

Stalinski, B. and Bieganski, Z.
SEMI-MICROCALORIMÈTRE ADIABATIQUE POUR UN DOMAINE DE TEMPÉRATURES DE 23 A 370° K. CHALEURS ATOMIQUES DU TITANE DANS LE DOMAINE DE TEMPÉRATURES DE 27 A 360° K (Polmikrokalorymetr Adiabatyczny Dla Zakresu Temperatur 23-370° K. Ciepla Atomowe Tytanu w Zakressie 27-360° K) (Adiabatic Semimicrocalorimeter for the Temperature Range 23-370° K. Heat Capacity Measurements on Titanium in the Range 27-360° K). 24p. (foreign text included) 11refs. CNRS-XXIII 42.
Order from OTS, ETC or CNRS $2.60 TT-63-26820

Trans. in French of Roczniki Chemii (Poland) 1961, v.35, no.1, p.273-283.

DESCRIPTORS: Calorimeters, *Titanium, *Atomic properties, Heat, Measurement.

Zenkevich, B. A. and Remizov, O. V.
CRITICAL HEAT LOADS FOR AN EXTERNAL LOW-VELOCITY FLOW OF SUBCOOLED WATER AROUND A TUBE IN A SQUARE CHANNEL. [1964] [6p] 7refs.
Order from OTS, SLA, or ETC $1.10 AEC-tr-6291

Trans. of #Inzh[enerno]-Fiz[icheskii] Zhurnal (USSR) 1963, v. 6, no. 8, p. 112-115.

RESEARCH METHODS, TECHNIQUES AND EQUIPMENT

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY [SELECTED] TRANSLATIONS NO. 84. 19 May 64, 42p JPRS: 24654.
Order from OTS $1.25 TT-64-31283

Trans. of K'o Hsüeh T'ung Pao (Chinese People's Republic) 1964, no. 3, p. 189-207, 272, 274-276, 279-281.

Separate entries have been prepared for 3 articles.

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: [SELECTED] TRANSLATIONS NO. 85. 21 May 64, 22p JPRS: 24701.
Order from OTS $0.75 TT-64-31302

Trans. from Kuang Ming Jih Pao (Chinese People's Republic) 1964, 9 Apr, p. 2; 14 Apr, p. 2; 16 Apr, p. 2; Pei Ching Jih Pao (Chinese People's Republic) 1964, 13 Mar, p. 2; K'o Hsüeh T'ung Pao (Chinese People's Republic) 1964, no. 4, p. 371-372.

Separate entries have been prepared for the individual articles.

Popov, B.N. and Druzhinin, A.V.,
MICROSCOPE ÉLECTRONIQUE À ÉMISSION AVEC VIDE POUSSÉ (Vysokovakuumnyi Emissionnyi Elektronnyi Mikroskop) (High-Vacuum Emission Electron Microscope). 20p. (foreign text included) 15refs. CNRS-X 538.
Order from OTS, ETC or CNRS $1.60 TT-62-29113

Trans. in French of #Radiotekhnika i Elektronika (USSR) 1958, v.3, no.8, p.1084-1091.

DESCRIPTORS: *Electron microscopes, Electrostatics, Electron optics, Construction, Vacuum apparatus.

Tsikora, S.
AN ARMENIAN TRANSLATING MACHINE [AND] A MACHINE UNDERSTANDS HUMAN SPEECH. Foreign Developments in Machine Translations and Information Processing no. 157. 7 May 64, 4p JPRS: 24507.
Order from OTS $0.50 TT-64-31221

Trans. from Kommunist, Erevan (USSR) 1964, 24 Mar, p. 2 and Sel'skaya Gazeta, Moscow (USSR) 1964, 22 Mar, p. 4.

Turichin, A. M. and Novitskii, P. V.
WIRE-RESISTANCE STRAIN GAGES AND THEIR APPLICATION. 20 Jan 64 [242p] 71refs FTD-TT-63-729; AD-600 040.
Order from OTS $3.50 TT-64-11633

Unedited rough draft trans. of mono. Provolochnye Preobrazovateli i Ikh Tekhnicheskoe Primenenie, Moscow/Leningrad, 1957, 171p.

SOCIAL SCIENCES

Klapaukh, I.L.
EFICIENCIA DE EXPLOTACION Y RENDIMIENTO DE LAS LINEAS AUTOMATICAS (Ekspluatatsionnyi K.P.D. i Proizvoditel'nost' Avtomaticheskikh Linii) (Efficiency in the Operation and Yield of Automatic Lines). 42p. CID:63-381.
Order from OTS, ETC or CID $4.60 TT-63-26781

Trans. in Spanish of Stanki i Instrument (USSR) 1954 v.25, no.12, p.13-18.

DESCRIPTORS: *Automation, Effectiveness.

Kritskaya, Z. P., ed.
SCIENTIFIC INFORMATION INSTITUTE OF THE SOVIET ACADEMY OF SCIENCES: ORGANIZATION AND ACTIVITIES. 21 May 64, 31p JPRS: 24691.
Order from OTS $1.00 TT-64-31297

Trans of mono. (brochure) Institut Nauchnoi Informatsii Akademii Nauk SSSR, Moscow, 1963, p. 1-32.

Kukushkin, A.
METODOS OPERATIVOS PARA DETERMINAR ANTICIPADAMENTE EL PRECIO DE COSTE DE LA PRODUCCION (Operativnye Metody Opredeleniya Ozhidaemoi Sebestoimosti Produktsii) (Operational Methods for Preliminary Estimation of Production Cost Prices). 15p. CID:63-352.
Order from OTS, ETC or CID $1.60 TT-63-26752

Trans. in Spanish of Tekstil'naya Promyshlennost' (USSR) 1954, v.14, no.6, p.15-17.

DESCRIPTORS: *Production, Costs.

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TRANSISTOR AND SEMICONDUCTOR DIODES (Tranzistory i poluprovodnikovyye diody) Moscow, Svyaz'izdat, 1963. 646 p. Errata slip inserted. 40,000 copies printed.

BR-SOV/6408
Bondarenko, Ivan Petrovich, and others
FUNDAMENTALS OF DOSIMETRY AND RADIATION PROTECTION (Osnovy dozimetrii i zashchity ot izlucheniy) Moscow, "Vysshaya shkola", 1962. 297 p. 6000 copies printed.

BR-SOV/6435
Petrov, Georgiy L'vovich, and others
WELDING OF HEAT-RESISTANT STAINLESS STEELS (Svarka zharoprochnykh nerzhaveyushchikh staley) Moscow, Mashgiz, 1963. 247 p. Errata slip inserted. 5500 copies printed.

BR-SOV/6436
Gel'fand, A. Ye., Engineer, and others
MACHINING OF HARD ALLOYS(Obrabotka tverdykh splavov) Moscow, Mashgiz, 1963. 246 p. Errata slip inserted. 7500 copies printed.

BR-SOV/6459
Chechulin, Boris Borisovich
SIZE FACTOR AND STATISTICAL ASPECT OF METAL STRENGTH (Masshtabnyy faktor i statisticheskaya priroda prochnosti metallov) Moscow, Metallurgizdat, 1963. 118 p. Errata slip inserted. 2100 copies printed.

BR-SOV/6463
Stal'makhov, V. S.
FUNDAMENTALS OF ELECTRONICS OF CROSSED-FIELD MICROWAVE DEVICES (Osnovy elektroniki sverkhvysokochastotnykh priborov so skreshchennymi polyami) Moscow, "Sovetskoye radio", 1963. 365 p. Errata slip inserted. 16,000 copies printed.

BR-SOV/6464
Ayzinov, Mark Moiseyevich, and others
RADIO ENGINEERING AND RADIO AIDS TO NAVIGATION (Radiotekhnika i radionavigatsionnyye pribory) Leningrad, "Morskoy transport", 1962. 474 p. Errata slip inserted. 9700 copies printed.

BR-SOV/6469
Moisil, Gr. K.
ALGEBRAIC THEORY OF DISCRETE AUTOMATION SYSTEMS (Algebraicheskaya teoriya diskretnykh avtomaticheskikh ustroystv) Moscow, Inoizdat, 1963. 680p. No. of copies printed not given.

BR-SOV/6470
Dynkin, Yevgeniy Borisovich
MARKOV PROCESSES (Markovskiye protsessy) Moscow, Fizmatgiz, 1963. 859 p. (Series: Teoriya veroyatnostey i matematicheskaya statistika) 8000 copies printed.

BR-SOV/6480
USSR. Ministerstvo geologii i okhrany nedr. Laboratoriya aerometodov.
THE USE OF AERIAL METHODS IN MARINE RESEARCH (Primeneniye aerometodov dlya issledovaniya morya) Moscow, Izd-vo AN SSSR, 1963. 546 p. Errata slip inserted. 1500 copies printed.

TRANSLATIONS IN PROCESS

CZECHOSLOVAK PSYCHOLOGY, 1964, JAN.
Ceskoslovenska Psychologie, 1964, Jan. cover-to-cover.

HERALD OF THE SCHOOLS OF HIGHER EDUCATION, 1964, JAN.
Vestnik Vysshei Shkoly (USSR) 1964, Jan. cover-to-cover.

PHYSICS OF HIGH-ENERGY PARTICLES.
Mono. Fizika Chastits Vysokikh Energii, n.p., n.d.
To be published by IPST.

Brzozowski, W.
TWO-CASCADE WIND TUNNEL FOR HIGH-VELOCITY-FLOW RESEARCH.
Polska Akademia Nauk. Institut Maszyn Przeplywowych. Prace, 1961, no. 4, p. 13-41.

Chernov, G. N.
N. P. KRENKE AND HIS THEORY OF AGING AND REJUVENATION.
Mono. N. P. Krenke i Ego Teoriya Stareniya i Omolozheniya Moscow, 1963, 115p.

Katetov, M.
THE DIMENSIONALITY OF NONSEPARABLE SPACES, I AND II.
(O Razmernosti Neseparabel'nykh Prostranstv, I i II).
Chekhoslovatskii Matematicheskii, Zhurnal, 1952, v. 2(77) p. 333-368; 1956, v. 6(81) p. 485-516.

Pavlovskii, E. N.
NATURAL NIDALITY OF TRANSMISSIBLE DISEASES WITH SPECIAL REFERENCE TO THE LANDSCAPE EPIDEMIOLOGY OF ZOOANTHROPONOSES.
Mono. Prirodnaya Ochagovost' Transmissivnykh Boleznei v Svyazi s Landshaftnoi Epidemiologiei Zooantroponozov, Moscow/Leningrad, 1964, 211p.

Sanger, E.
ROCKET FLIGHT TECHNOLOGY.
Mono. Raketenflugtechnik, Munich/Berlin, 1933, 222p.

Schmidt, A.
TABLES OF STANDARDIZED SPHERICAL FUNCTIONS AND THEIR COEFFICIENTS WITH LOGARITHMS OF THESE NUMBERS AS WELL AS FORMULAS FOR THE DEVELOPMENT OF SPHERICAL FUNCTIONS.
Mono. Tafelin der Normierten Kugelfunktionen und Ihrer Ableitungen nebst den Logarithmen dieser Zahlen sowie Formeln zur Entwicklung nach Kugelfunktionen, Gotha, 1935, 52p.

Shu, Chih-yeh.
AUTOMATIC CONTROL SYSTEM ANALYSIS AND SYNTHESIS.
Mono. Shang Hai Shik k'o Hsuech Chi Shu Lun Wen Hstun Chi, v. 1, n.p., 1962, p. 293-359.

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Order from AIP $4.00, $35.00/year

Akademiya Nauk SSSR. C-138
Murmanskii Morskoi Biologicheskii Institut. Trudy,
1961, v. 3(7) p. 1-220.
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Published by

The Geochemical Society

Translated and Produced by

scripta technica, inc.

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(Russian Original Vol. 152, Nos. 1-3, September, 1963)

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Nauchnye Doklady Vysshei Shkoly. Khimiya i Khimicheskaya Tekhnologiya (USSR) 1958, no. 4, p. 667-671	167
Naunyn Schmiedeberg's Archiv für Experimentelle Pathologie und Pharmakologie (West Germany) 1956, v. 228, no. 1/2, p. 166-167	152
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Nihon Nogei Kagakkai Shi (Japan) 1960, v. 34, p. 430-433	141
NTZ Nachrichtentechnische Zeitschrift (West Germany) 1958, v. 11, no. 11, p. 557-560	176
1962, v. 15, no. 9, p. 438-441	177
Okeanologicheskie Issledovaniya (USSR) 1961, no. 4, p. 18-24	171
Okeanologicheskie Osnovy Formirovaniya Promyslovoi Produktivnosti Morei, Moscow, 1961, 215p.	170
Okeanologiya (USSR) 1961, v. 1, no. 6, p. 1039-1045	171
Okhrana Truda (USSR) 1928, v. 2, p. 44-47	148
l'Onde Electrique (France) 1963, v. 43, no. 1, p. 56-58	177
Opredeliteli po Faune SSSR 1956, v. 64, p. 79-83	158
Optica Acta (France) 1959, v. 6, no. 4, p. 319-338	201
Ostereichische Chemiker Zeitung (Austria) 1961, v. 62, no. 4, p. 102-115	189
Oyo Butsuri (Japan) 1957, v. 26, no. 10, p. 526-527	203
1958, v. 27, no. 9, p. 535-540	202
das Papier (West Germany) 1954, v. 8, no. 17/18, p. 365-370	189
Parazitologicheskii Sbornik (USSR) 1940, v. 7, p. 100-133	158
1950, v. 12, p. 272-274	158
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Patent (France) 634 184	186
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Patent (USSR) 148, 970	198
Pei Ching Jih Pao (Chinese People's Republic) 1964, 13 Mar, p. 2	122
Pervichnaya Produktsiya Morei i Vnutrennikh Vod, Minsk, 1961, p. 209-213	128
1961, p. 231-240	129
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1961, p. 256-261	127
1961, p. 262-265	127
1961, p. 266-269	127
Petrol si Gaze (Rumania) 1963, v. 14, no. 2, p. 57-59	187
Pflüger's Archiv für die Gesamte Physiologie des Menschen und der Tiere (Germany) 1883, v. 30, p. 312 347	130
1895, v. 59, p. 16-42	131
1897, v. 68, p. 596-648	130
1899, v. 77, p. 311-320	135
1900, v. 80, p. 1-40	134
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1931, v. 228, p. 724-730	132
1934, v. 234, p. 13-28	130
1937, v. 239, p. 290-292	138
Plasticheskie Massy (USSR) 1962, no. 10, p. 21-26	188
Politekhnicheskii Institut Leningrad Trudy (USSR) 1940, no. 4, p. 36-46	166
Polska Akademia Nauk. Institut Maszyn Przeplywowych. Prace 1961, no. 4, p. 13-41	B-5
Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii. Trudy (USSR) 1959, v. 11, p. 35-53	171
1959, v. 11, p. 142 148	170
Poroshkovaya Metallurgiya (USSR) 1963, v. 3, no. 6, p. 36-37	197
1963, v. 3, no. 6, p. 54-56	186
Pracovni Lekarstvi (Czecholsovakia) 1954, v. 6, p. 99-101	153
Pravda, Leningrad (USSR) 1964, 21 Mar, p. 4	183
Pribory i Tekhnika Eksperimenta (USSR) 1957, no. 6, p. 82-85	201
1961, v. 6, no. 4, p. 20-24	200
Priroda (USSR) 1947, v. 36, no. 11, p. 75-78	149
Prirodnaya Ochagovost' Transmissivnykh Boleznei v Svyazi s Landshaftnoi Epidemiologiei Zooantroponozov, Moscow/Leningrad, 1964, 211p.	B-5
Prizhiznennaya Okraska Kletok i Tkanei v Norme i Patologii, Leningrad, 1963, p. 130-132	147
Problemy Endokrinologii i Gormonoterapii (USSR) 1963, v. 9, no. 3, p. 3-7	155
1963, v. 9, no. 5, p. 12-17	137
1963, v. 9, no. 5, p. 17-19	151
1963, v. 9, no. 5, p. 35 40	151
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Provolochnye Preobrazovateli i Ikh Tekhnicheskoe Primenenie, Moscow/Leningrad,	
1957, 171p.	205
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Przeglad Epidemiologiczny (Poland)	
1964, v. 18, no. 1, p. 5-11, 13-23, 25-33, 35-39, 51-84, 93-121, 123-125	126
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1963, v. 18, no. 10,	C-130
Radiotekhnika i Elektronika (USSR)	
1963, v. 8, no. 9	C-131
Raketenflugtechnik, Munich/Berlin,	
1933, 222p.	B-5
Razvitie i Sovershenstvovanie Tekhniki Dobychi Uglya Moscow,	
1962, chap. 14, p. 338-354	172
Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, (France)	
1955, v. 10, no. 10, p. 1280-1283	187
1956, v. 11, no. 11, p. 1489-1495	187
1962, v. 17, nc. 12, p. 1454-1472	170
Revue de Metallurgie (France)	
1963, v. 60, no. 5, p. 477-485	195
Revue Generale de Mecanique (France)	
1956, v. 40, p. 315-320	188
Rivista Italiana della Saldatura	
1962, v. 14, Mar/Apr, p. 70-73	196
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Schweizer Archiv für Angewandte Wiseenschaft und Technik,	
1955, v. 21, no. 8, p. 251-257	187
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Sel'skaya Gazeta, Moscow (USSR)	
1964, 22 Mar, p. 4	205
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1961, v. 5, no. 11, p. 27-30	185
Shang Hai Shik K'o Hsuech Chi Shu Lun Wen Hstun Chi, v. 1, n.p.,	
1962, p. 293-359	B-5
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1963, v. 37, no. 7, p. 532-536	176
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Sovremennye Metody Issledovaniya Plazmy, Moscow,	
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Tafeln der Normierten Kugelfunktionen und Ihrer Ablettungen nebst den Logaritlmen dieser Zahlen sowie Formeln zur Entwicklung nach Kugelfunktionen, Gotha,	
1935, 52p.	B-5
Technische Berichte, Philip Holzmann, A. G. n.p.,	
Apr 62, 16p.	184
Technische Mitteilungen Krupp Forschungsberichte (Germany)	
1963, v. 21, no. 2, p. 37-43	192
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Transportirovanie Radioaktivnykh Veshchestv, Moscow,	
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1905, v. 25, no. 12, p. 361-371	201
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1935, v. 55, no. 9, p. 367-373	200
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SERVE THE BUSINESS COMMUNITY

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Experienced personnel will gladly assist in the solution of specific problems, explain the scope and meaning of regulations administered by the Department, and provide practical assistance in the broad field of domestic and foreign commerce. Field Offices act as official sales agents of the Superintendent of Documents, and maintain an extensive business reference library containing periodicals, directories, publications and reports from official as well as private sources.

Among the many services which businessmen have found of value are:

GENERAL

- Management and business aids
- Establishing a new business

BASIC ECONOMIC DATA

- Census data with national and often State and regional breakdowns, on manufacturing wholesaling, retailing, service industries, employment and unemployment, population, housing, agriculture
- Basic records of national income and product, regional trends, balance of payments, foreign aid

MARKETING AND DISTRIBUTION

- Development and maintenance of markets
- Distribution channels, facilities and services
- Marketing and distribution statistics

PRODUCTION

- Modernization of plant processes and other technological aids
- Development of new products
- Government-owned patents for free license
- Commodity standards

FOREIGN TRADE AND INVESTMENT

- Tariff and exchange regulations
- Import and export quotas, licensing regulations
- Statistics on imports and exports
- Investment and trade opportunities abroad
- Economic conditions in foreign countries

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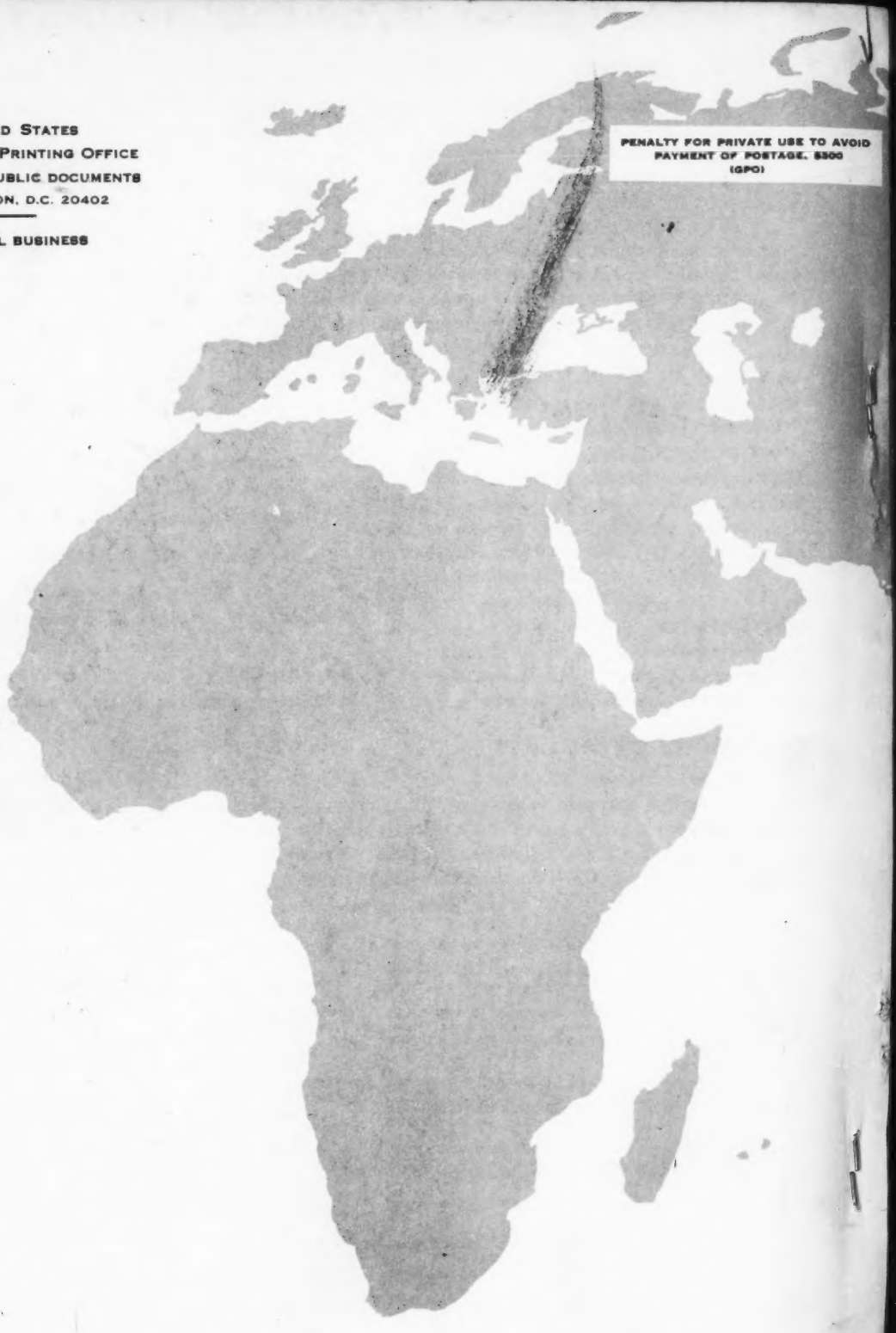

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